

CITY OF CAMBRIDGE

MASSACHUSETTS

352

C14

1930

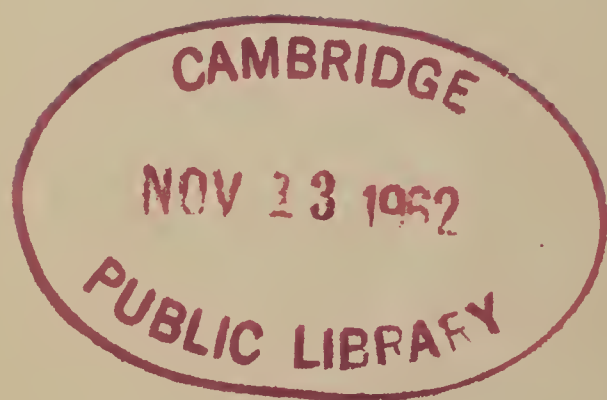
✱✱

THE ANNUAL REPORTS

Made to the City Council for the Year
Ending March 31, 1930

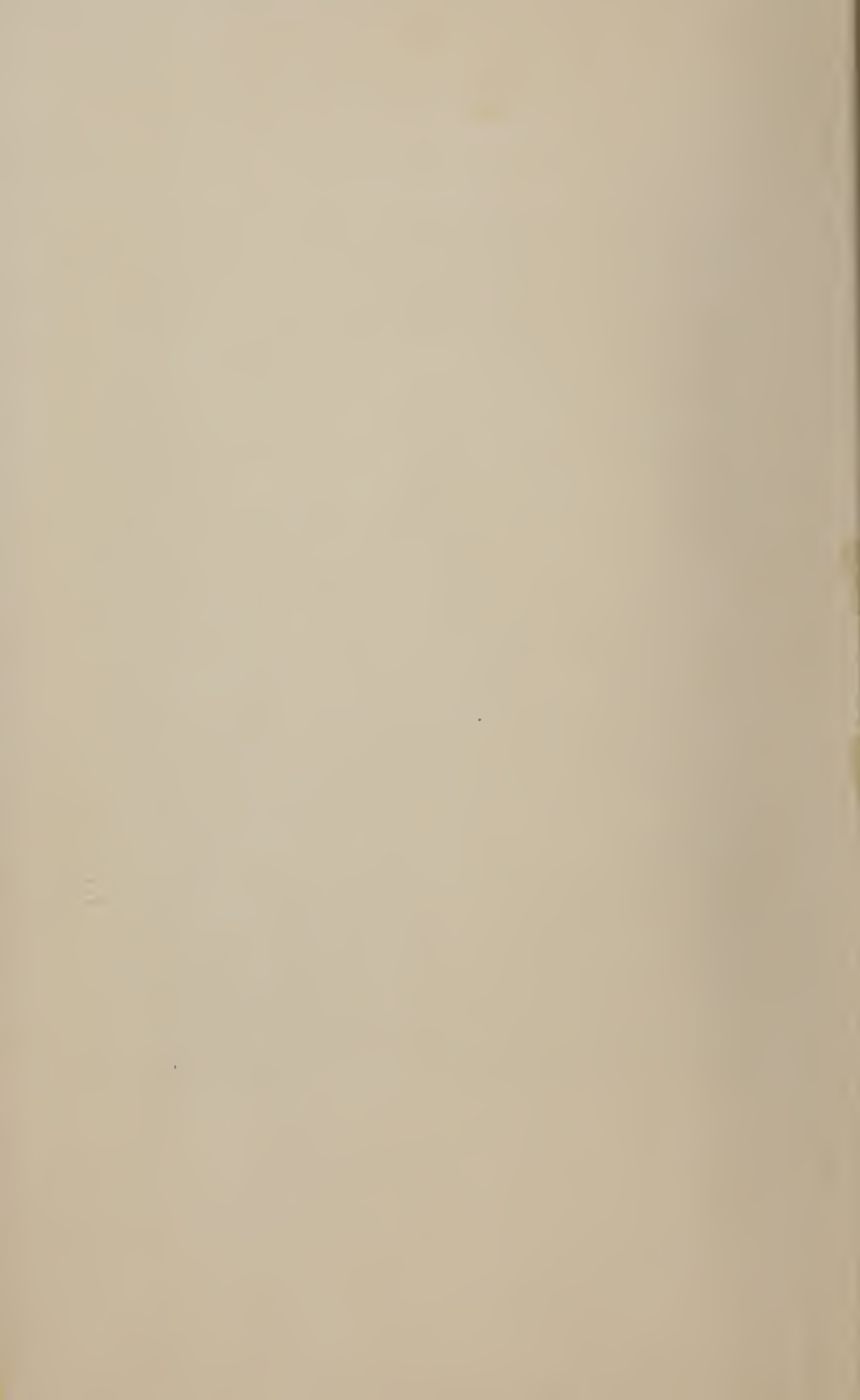


PUBLISHED BY ORDER OF THE CITY COUNCIL
UNDER THE DIRECTION OF THE CITY CLERK





HON. RICHARD M. RUSSELL
Mayor of Cambridge, Massachusetts



INAUGURAL ADDRESS OF HON. RICHARD M. RUSSELL

Gentlemen of the City Council:

Custom has decreed that one who has been elected by the people to the office of chief executive in any unit of our government or political subdivision thereof shall, at the time of his induction into office, make a statement outlining the policies he hopes to pursue. It is a wise custom, for it recognizes first, that knowledge of the plans of the executive is necessary, if the other branches of the government are to coöperate with him in making those plans effective, and, secondly, that coöperation between the different branches of government is essential to a successful administration.

I desire to avail myself of all the opportunities the custom offers, but inasmuch as I find no precedent for the solution for many of the problems with which we are confronted, and believing that a satisfactory solution can only be had after further study and consultation, I shall confine my remarks today principally to those matters concerning which I have certain convictions and which do not involve new financial commitments in the nature of capital expenditures. As study, consultation and experience give me a fuller and more adequate knowledge, upon which to formulate plans for the solution of other problems confronting us, I shall seek your indulgence for further communications to you.

Policies in General

To carry on an administration effectively, it is well to consider in the first instance some of the basic principles upon which the theory of free government was put into practice, and then to pass from there to the immediate and peculiar problems confronting the particular administration about to take over its responsibilities. The framework of our government was developed from the proposition that "the people . . . have an incontestable, inalienable and indefeasible right to institute government; and to reform alter or totally change the same." "This declared purpose of government and the power over it guaranteed to the people make it the imperative duty of their chosen representa-

tives, as their trusted servants, to keep it ever true to their interests, to watch for the expression of their will, and when ascertained, implicitly to obey it."

The Lessons of the Last Election

The will of the people of Cambridge was forcibly expressed in the last election.

Citizens with interests ordinarily as diverse as the poles united to demonstrate their dissatisfaction with the internal conditions surrounding the municipal corporation. The people, not the candidates, made the issue. They demanded something new and progressive in municipal government in substitution for an old order of things, with the result that an administration we had almost grown used to was overturned. Something akin to a revolution in municipal government took place. The conditions which so stirred the people of this community are matter of common knowledge. Inefficient and demoralized departments of the city government, a high tax rate, delapidated municipal buildings, inadequate streets and traffic congestion are some of the things complained of, and of these we must take cognizance if we are to obey the mandate of our constituents.

Difficulties Confronting the New Administration

To undertake immediately to comply with all the demands of our people presents difficulties and involves us in certain dilemmas.

It is obvious, for example, that a large construction program cannot be undertaken without increasing our indebtedness and our tax rate.

Other difficulties not so obvious are encountered when we consider some of the characteristics peculiar to Cambridge and to its people and the problems they present, which have baffled every previous administration. Our population of over 120,000 is housed in an area of less than seven square miles in the heart of a great and densely populated Metropolitan district. It is composed of many racial and community groups. There are, for instance, the groups that surround, and form a part of, our educational institutions, and there are those that surround, and are dependent upon, our industries, each with its own peculiar interests and demands. Our intimate proximity to other cities makes

necessary constant negotiation and coöperation with them and with the State. One-third of the property within our borders is tax exempt.

The unsolved problems involved in this situation are many.

The program of the new administration and the possibility of accomplishment by it will, to a great extent, depend upon our ability to solve the preliminary questions here involved.

On top of this, as we go into office today, we are confronted with a depleted treasury, a large indebtedness and extraordinary commitments for expenditures to replace some of the worn-out and inadequate municipal buildings.

Of these conditions it is idle to complain. I mention them only because they are factors with which we must contend; they are some of the ills we were elected to cure; and because I believe that a thorough understanding of past errors is a good foundation upon which to build a better order of things.

The Starting Point of the New Administration

Having in mind the many difficulties with which we are confronted, I am satisfied that the first undertaking of the new administration should be to increase the efficiency of the departments and institute rigid economies in their operations, for the accomplishment of these improvements would at one and the same time increase the service to the public and make available funds with which to satisfy other demands without further burdening the taxpayers.

Departmental Executives

The heads of the departments should be strictly responsible for the efficient and economic operation of their departments and, if any one should prove to be incompetent, he should be replaced by the appointment of a capable public servant. The best interests of the people will be the only consideration in making all appointments.

Police Department

The city is entitled to a police force of which it can be justly proud. Its members and those of the fire department are charged with great responsibility, and responsibility of protecting lives and property within our borders with their own lives if necessary.

It is, on the whole, composed of fine, fearless men, who accept their responsibility modestly and discharge their duties without show and without expectation of favor and as well as present conditions in the department permits, but the department has become disorganized and undisciplined. Scandals have given it an unsavory reputation. Such a situation is unfair to those loyal men whose duty is their first consideration. The police department is no place for laggards with shaky wills and easy consciences. The people demand that this arm of the public service should at all times be above reproach. It is the city's body of shock troops in maintaining order and in the protection of lives and property of the people. Certain readjustments will probably accomplish the desired result but it must and will be brought to a higher order of efficiency, honesty and discipline, even if an entire reorganization of the department is necessary to attain this end.

Other Departments

What has been said of the police department applies in certain instances to other departments. The same program will be adopted there. A study of the operations of all the departments will be commenced at once for the purpose of instituting many economies and at the same time increasing efficiency. This does not mean that there is to be any wholesale discharge of employees. I said in my campaign that no city employee need fear for his job on account of me, and I shall stick to that statement. My proposition in its simplest terms is that city employees are public servants in the same sense that those elected to office are public servants. They must accept their responsibilities as such or run the risk of being replaced. All must coöperate in serving the public. An efficient, economical government does not necessarily mean an inhumane government. It is proposed by the new administration to accomplish the results through the medium of coöperation and not coercion, with service to the public as the foremost consideration.

Appearance of Municipal Buildings and Courtesy

Cleanliness, neatness and general appearance are adjuncts of efficiency. They should be encouraged and, if necessary, demanded by the department heads responsible for the care of our municipal buildings and the offices.

Courtesy, I regret to say, is often conspicuous by its absence among certain of our public servants. They should be taught that it is no impediment to a proper discharge of their duties but, on the contrary, that flagrant and repeated lapses from the courteous treatment of those on legitimate business should disqualify the city official guilty of such conduct and bar him from further tenure of his office, for it reacts against the city and is detrimental to the interests of our people.

Other Problems

These are some of the things the public demands, if I am any judge of the significance of the vote cast at the last election, but, if we are to progress, we cannot stop with the correction of the evils heretofore enumerated. Other problems are awaiting our solution. The work at hand is colossal. To accomplish it will require extraordinary application and coöperation of all concerned, but we must face it and it is best to do so courageously from outset and plan accordingly.

Construction Commenced by Last Administration

Pressure of the people for certain much needed improvements was, after ten years, felt by the last administration, with the result that money has already been appropriated for certain schoolhouses and hospital construction. To these the city is already committed. The work will, therefore, be pushed to completion as efficiently and economically as circumstances will permit.

Construction Program

More schools should be replaced. We need new fire and police headquarters. There are demands for an addition to the public library and for more and better playgrounds.

The natural development of the city along industrial lines and the advent of the automobile has rendered many of our streets, which were laid out before the automobile was invented, inadequate. Demands are heard on every side for street widenings and other improvements.

Obviously the city's finances will not permit us to begin all of these immediately. The determination of which of these various enterprises shall be undertaken at once and which postponed

is not so easy to decide by the formula of popular demand as was the problem of the method of operation of our departments. Many of our constituents demand all these improvements. Some of the people would be content with certain of them, but their views vary greatly, while all object to increased taxes. The requirement of the different groups and sections and the benefit the whole city is likely to derive from each contemplated project must be equitably weighed the one against the other and the cost of each must be given proper consideration. A program should then be adopted which will not overwhelm our already heavily laden taxpayers.

City Planning

To assist and advise the administration in the accomplishment of this purpose, I shall immediately organize a planning board, the personnel of which will comprise representatives of our industries, educational institutions and of our residential and retail sections.

I propose to seek advice and counsel either directly or through this board and, so far as possible, from every representative group and section, which makes up this very cosmopolitan city in which we live and, with their assistance, to work out a constructive program, and to budget our construction for a period of years as we do our operating expenses for a single financial year. To insure adequate improvements at reasonable cost, I propose to take full advantage of every opportunity offered for technical advice from the institutions of learning within our borders.

I am opposed to the practice that has become somewhat prevalent of late of amending the zoning ordinance a bit at a time in response to petitions of individuals. It should only be so amended in the rare instance of flagrant needs. I am, however, in favor of a drastic amendment in the near future, which would revamp the entire ordinance to make it consistent with the very apparent tendencies of certain sections to develop along lines not entirely foreseen when the ordinance was first adopted. I shall urge the planning board to survey the city for the purpose of making recommendations concerning such an amendment. I hope and trust that, when made, the recommendations will be heeded and substantially adopted. I believe the immediate effect of such action would be to encourage industrial development in the

easterly end of the city and residential development in the westerly end of the city, particularly in the new area which will soon be available on account of the extension of the Alewife Brook Parkway to Fresh Pond.

Water Supply

Recent dry weather conditions have demonstrated that our water supply is likely to prove inadequate. Two remedies seem open. One is to increase the supply by acquisition of additional property, and the other is to purchase from the Metropolitan system. As things stand, both are expensive. I propose to have both investigated by a board of experts and consider carefully their recommendations.

Tercentenary

We are to have a tercentennial celebration this summer. It is fitting and proper that the city government should take a part in it, and I propose to coöperate in every way feasible with the committee of citizens who have done excellent work in preparation for this celebration. In this also I sincerely hope that the business men of the community will join to the end that we may have a celebration that will reflect credit upon the city and our people. I believe that the celebration can and will pay its own expenses, if these men devote their energies to it, as I trust they are going to do, but I also believe that the city should make a suitable appropriation if and when it is needed.

Additional Revenue and Unemployment

Additional revenue is badly needed and can be procured by the advent of new industry and by properly fostering those enterprises already in our midst. To encourage development in this direction, and in the hope of relieving the unemployment situation, I shall, with the help of some of the industrialists and business men of the community, organize an industrial commission to assist and advise the administration.

Contact Between the Administration and the People

In order to adhere effectually to the fundamental proposition that the will of the people, when ascertained, should be the mandate by which our activities are controlled, and in order to en-

courage and make workable the theory (and since I believe that the best form of government is that in which all citizens participate, and of which the New England township is the only pure survival, due to inadequate accommodations for meeting purposes in large communities) I propose to solicit public opinion regarding the new administration in every way possible. To this end I propose to keep the people informed as to accomplishments and lack of accomplishments of that administration and the reasons therefor. I hope, through the press and otherwise, to be able to get advice regarding new projects and undertakings and to render periodically an account of my stewardship. I shall arrange my work so that all those having unbiased counsel to offer may always be sure of an adequate and fair hearing, both from the chief executive and from all others in the public service.

I shall consult many. I shall ask citizens and taxpayers for advice and criticism and shall give careful consideration to their suggestions to the end that the administration for the next two years may truly be a government for the people and by the people.

Conclusion

The foregoing remarks collectively constitute the goal of the administration. I undertake its attainment with determination to succeed and with the conviction that right must prevail.

By chance my induction into the office of the Mayor of Cambridge falls on a date peculiarly sacred in my family, January 6 — my father's birthday. The coincidence is to me pregnant with meaning and in all humbleness of spirit at the task before me but with courage to go forward and succeed in the work we are in, I hereby dedicate myself to uphold a family tradition in your service.

I now turn my energies to the duties with which I am entrusted, groupingly it must be in the first instance, asking for your patient indulgence, and, above all, for your earnest coöperation.

ANNUAL REPORTS

ANNUAL REPORT OF THE CITY AUDITOR

Cambridge, Mass., April 1, 1930.

To the Honorable City Council:

I submit herewith a report for the financial year beginning April 1, 1929 and ending March 31, 1930. Included in this report are detailed statements of receipts and expenditures; an analysis of the appropriation accounts and an analysis of the outstanding debt; statements of loans authorized and loans matured during the year; a statement of the borrowing capacity; tables showing the condition of the trust funds; the balance sheet and a list of city property in the custody of the several departments.

Respectfully,

JOHN J. McKENZIE,
City Auditor.

CITY INCOME

Statement in Detail of all Income, Taxes and Loans Received on Account of the
City of Cambridge during the Financial Year 1929-1930

TAXES

Taxes:

Levy of 1929.....	\$5,232,778 85	
Levy of 1928.....	755,971 72	
Levy of 1927.....	16,193 58	
Levy of 1926.....	4,068 83	
Levy of 1925.....	37 75	
Levy of 1924.....	371 49	
Levy of 1923.....	41 86	
Levy of 1922.....	5 00	
Motor Vehicle Excise Tax 1929.....	190,520 97	
		<hr/> \$6,199,990 05
From Commonwealth:		
Corporation Tax.....		420,019 16
Income Tax.....		696,902 32
National Bank Tax.....		6,330 72
Trust Company Tax.....		18,284 39
Street Railway Tax.....		20,966 96
Veterans Exemption Tax.....		114 01

LICENSES AND PERMITS

Building permits.....	\$4,663 00
Dance and entertainment.....	1,180 00
Electrical.....	11,675 05
Elevator operator.....	164 50
Firearms (to carry).....	222 55
Gasoline swing arm.....	60 00
Guides.....	2 00
Hawkers and peddlers (State).....	1,675 00
Marriage permits.....	1,445 00
Milk and Pasteurizing.....	526 50
Oleomargarine.....	69 00
State boxing permits.....	7 11
Street sign permits.....	110 00

Licenses issued by the Health Department:

Barber shop.....	\$156 00
Beauty parlor and manicure.....	266 00
Beverages.....	80 00
Day nursery.....	1 00
Denatured alcohol.....	100 00
Vapor bath.....	10 00
Ice cream manufacture.....	16 00

629 00

Licenses issued by Commissioner:

Auctioneer.....	\$40 00
Bridges.....	159 40
Barrel collector and dealer.....	19 50
Billiard and pool.....	314 00
Bowling alley.....	144 00
Carriage and wagon.....	161 00
Common victualler.....	1,574 00
Drivers.....	175 50

Amount carried forward..... \$2,587 40 \$22,428 71 \$7,362,607 61

Amount brought forward \$22,428 71 \$7,362,607 61

LICENSES AND PERMITS — *Concluded*

Licenses issued by Commissioner (concluded)

forward	\$2,587 40
Druggists	28 00
Firearms (to sell)	54 50
Garage and gasoline	749 50
Intelligence office	60 00
Junk collector and stores	1,180 00
Lodging house	668 00
Lord's Day	1,685 00
Minor	4 25
Miscellaneous	50
Open air carnival	10 00
Pawnbroker	100 00
Peddler	500 00
Slaughterhouse	3 00
Stands	93 00
Transient vendor	225 00
Used car dealer	3,350 00

11,298 15

33,726 86

COURT FINES

House of Correction	\$1,851 90
Third District Court	7,520 05
Miscellaneous	186 50

9,558 45

GRANTS AND GIFTS

From Commonwealth:

Continuation schools	\$11,083 24
Evening industrial schools	2,709 31
Evening practical art classes	1,086 92
Tuition at State-aided schools	4,099 57

18,979 04

From County:

Dog licenses	3,277 77
------------------------	----------

From individuals:

Smith-Hughes Fund	\$2,545 94
Gift to Municipal Hospital	631 18

3,177 12

TAX LIEN

Redemption of tax liens	27,361 07
-----------------------------------	-----------

SPECIAL ASSESSMENTS

Sewer:

Unapportioned	\$7,641 03
Added to taxes 1928	725 81
Added to taxes 1929	652 05

9,018 89

Edgestones and sidewalks:

Unapportioned	\$4,045 39
Added to taxes 1924	61 95
Added to taxes 1927	74 34
Added to taxes 1928	1,817 88
Added to taxes 1929	1,860 32

7,859 88

Amount carried forward

\$7,475,566 69

Amount brought forward \$7,475,566 69

AUDITING

Sale of stamps 1 40

TREASURER'S DEPARTMENT

For sales:

Advertising	\$1,068 50
Affidavit and revenue stamp	50 25
Certificates of lien	405 00
Releases	185 00
Deed and description	394 00
Examination of title	114 00
Preparation and posting	471 00
Recording affidavit	98 50
Recording deed	113 20
Statutory fee	57 00
Demand	3,686 00
Summons	1 20

6,643 65

CITY CLERK'S DEPARTMENT

Business certificates	\$54 50
Certified copies	415 50
Chiropody certificates	1 00
Dog fees	323 00
Hunting and fishing	189 00
Jitney licenses	1,350 25
Jitney operators' licenses	245 00
Married women's certificates	5 00
Mortgages	2,028 29
Optometry	1 00
Physicians' certificates	3 25
Zoning ordinances	6 75

4,622 54

ELECTION COMMISSION

Miscellaneous 14 00

BUILDING DEPARTMENT

Sale of:

Ordinances	\$56 25
Miscellaneous	252 14
Rent of Brattle Square Building	1 00
Rent of land on Bennett Street	266 00
Rent of land on Portland Street	100 00
Rent of land on Tarbell School property	2 00

677 39

POLICE DEPARTMENT

Miscellaneous	\$9 25
Service of officers	10,116 00

10,125 25

FIRE DEPARTMENT

Miscellaneous 25 35

ELECTRICAL DEPARTMENT

Miscellaneous 325 98

Amount carried forward \$7,498,002 25

Amount brought forward..... \$7,498,002 25

SEALER OF WEIGHTS AND MEASURES

Sealing fees..... \$2,694 12

HEALTH DEPARTMENT

For care at Tuberculosis Hospital from:
Cities and towns..... \$16,786 71
Commonwealth..... 7,155 88
Middlesex and Worcester Counties. 21,922 91
Sundry persons..... 2,042 41
47,907 91
Other contagious diseases from:
Cities and towns..... \$3,074 78
Commonwealth..... 7,674 50
Sundry persons..... 1,210 43
11,959 71
Care of rabies..... 20 50
School dentist..... 804 00
60,692 12

SEWER MAINTENANCE

For:
Labor and use of pump..... \$47 43
Materials..... 15 65
Miscellaneous..... 6 38
Repairs..... 95 44
164 90

INCINERATOR

Sundry persons..... 500 04

HOUSE OFFAL

For sale of offal..... 23,457 75

STREET DEPARTMENT

For:
Damages..... \$5 00
Edgestones and sidewalks..... 18 41
Rent of track..... 100 00
Sale of manure..... 68 50
Sale of materials..... 6,764 99
Use of billboard..... 40 00
Use of roller..... 50 00
Miscellaneous..... 187 75
Sidewalks and driveways..... 3,284 79
Sale of horses..... 2,160 00
12,679 44

CITY INFIRMARY

Board from:
Sundry persons..... \$3,297 57
Sale of:
Miscellaneous..... 56 15
3,353 72
Amount carried forward..... \$7,601,544 34

Amount brought forward \$7,601,544 34

OUTSIDE AID

For reimbursement from:

Cities and towns.....	\$15,302 41	
Commonwealth.....	29,815 79	
Sundry persons.....	943 76	
Mothers' aid from cities and towns.....	4,962 54	
Mothers' aid from Commonwealth.....	43,740 25	
Miscellaneous.....	1,264 23	
	<hr/>	96,028 98

MUNICIPAL HOSPITAL

From sundry persons..... 58,657 64

SOLDIERS' BENEFITS

From Commonwealth:

Military aid.....	\$1,812 00	
Soldiers' burials.....	212 40	
Soldiers' relief.....	96 00	
State aid.....	3,900 00	
	<hr/>	6,020 40

SCHOOL DEPARTMENT

Tuition of State wards.....	\$5,033 88	
Reimbursement of tuition of Cambridge students at various State-aided schools.....	5,489 86	
Tuition of minor wards (City of Boston).....	608 71	
Tuition of non-resident pupils at:		
Continuation school.....	2,974 14	
High and Latin.....	1,129 00	
Rindge Evening Industrial.....	301 80	
Rindge Technical School.....	680 00	
Sale of food at high school.....	39,491 09	
Miscellaneous receipts.....	1,715 64	
From Commonwealth for sight-saving classes.....	1,000 00	
Sales at State-aided schools (continuation).....	133 49	
Forfeited evening school deposits.....	609 00	
Minors' licenses.....	252 00	
Rent of halls.....	163 00	
Use of Rindge by Harvard Engineering classes.....	1,250 00	
	<hr/>	60,831 61

LIBRARIES

Fines, rentals, etc..... 2,215 96

PUBLIC BATHS

Sale of soap and use of towel:

Fletcher.....	\$264 85	
Haggerty.....	62 52	
Roberts.....	24 45	
Thorndike.....	35 75	
	<hr/>	387 57

Amount carried forward \$7,825,686 50

Amount brought forward \$7,825,686 50

PARK DEPARTMENT

Removal of trees	\$193 94	
Rent of Russell Field	532 69	
Use of towels at:		
Russell E. Hoyt Shelter	\$660 90	
Rindge Field	899 30	
Corporal Burns Playground	323 40	
Cambridge Field	698 80	
	<hr/>	
	2,582 40	
Rent of halls	30 00	
	<hr/>	
		3,339 03

PENSIONS

Teachers' retirement	500 00
--------------------------------	--------

INTEREST

Accrued interest	\$10,162 35	
On deposit	12,804 38	
On special assessments	60 85	
On taxes	57,544 00	
	<hr/>	
		80,571 58
Committed interest on sewer assessments	\$86 22	
Committed interest on sidewalk assessments	263 34	
	<hr/>	
		349 56

CEMETERY DEPARTMENT

Burials, care, etc.	\$21,885 17	
Sale of lots and graves	26,271 87	
Interest on perpetual care fund	6,999 83	
	<hr/>	
		55,156 87

WATER DEPARTMENT

Meter rates	\$432,804 72	
Annual rates	95,068 35	
Miscellaneous bills:		
Cleaning supply	\$1,305 00	
Maintenance	15,206 32	
Maintenance building	11 25	
Off and on	113 00	
Rent	1,269 90	
Seals	26 00	
Setting meters	2,180 19	
Supply	5,043 56	
Supply renewal	11,402 82	
	<hr/>	
	36,558 04	
Sale of Water Department land	3,500 00	
	<hr/>	
		567,931 11

PREMIUMS

Premium on loans	45,040 31
----------------------------	-----------

LOANS

Bond issues	\$2,406,000 00	
Emergency loan	190,000 00	
Temporary revenue loans	3,900,000 00	
	<hr/>	
		6,496,000 00

MUNICIPAL SINKING FUNDS

Municipal Sinking Funds to pay maturing debt	149,000 00
--	------------

Amount carried forward \$15,223,574 96

WATER SINKING FUNDS

INSURANCE RESERVE

AGENCY ACCOUNT

TRUSTS FUNDS

REFUNDS

Grand total.....	\$15,551,369 79
------------------	-----------------

PAYMENTS

GENERAL GOVERNMENT

CITY COUNCIL EXPENSES

Personal service:			
Permanent employees.....		\$7,500 00	
Service other than personal:			
Printing and binding.....	\$809 23		
Postage.....	105 21		
Advertising and posting.....	2,837 61		
Transportation of persons.....	1,073 55		
Cartage and freight.....	19 60		
Communication.....	13 67		
Fees, service of venire, etc.....	618 46		
Service not otherwise coded.....	37 55		
Transportation out of State.....	350 00		
		<hr/>	5,864 88
Supplies:			
Office.....	\$302 39		
Food and ice.....	2,644 73		
		<hr/>	2,947 12
Incidental expenditures:			
Funerals, etc.....		19 60	
		<hr/>	\$16,331 60

CLERK OF COMMITTEES

Personal service:			
Permanent and temporary employees		\$8,290 00	
Service other than personal:			
Printing and binding.....	\$29 64		
Postage.....	24 00		
		<hr/>	53 64
Equipment:			
Office.....		85 09	
Supplies:			
Office.....		116 63	
		<hr/>	8,545 36

EXECUTIVE

Personal service:			
Permanent employees.....		\$17,653 51	
Service other than personal:			
Printing and binding.....	\$235 58		
Postage.....	106 51		
Transportation of persons.....	19 60		
Motor vehicle repair and care.....	228 19		
Fees, etc.....	6 50		
		<hr/>	596 38
Supplies:			
Office.....	\$187 51		
Food and ice.....	64 68		
Motor vehicle.....	1,369 56		
Supplies not otherwise coded.....	64		
		<hr/>	1,622 39
Amount carried forward.....		<hr/>	<hr/>
		\$19,872 28	\$24,876 96

General Government — *Continued*

<i>Amount brought forward</i>	\$19,872 28	\$24,876 96
---	-------------	-------------

EXECUTIVE — *Concluded*

Incidental expenditures:			
Special entertainment	\$670 50		
Inaugural expenses	175 17		
	<hr/>	845 67	
		<hr/>	20,717 95

AUDITING

Personal service:			
Permanent and temporary employees	\$13,161 00		
Service other than personal:			
Postage	\$23 92		
Transportation of persons	5 00		
	<hr/>	28 92	
Equipment:			
Office	1,203 93		
Supplies:			
Office	\$2,271 34		
Food and ice	91 24		
	<hr/>	2,362 58	
		<hr/>	16,756 43

TREASURER AND COLLECTOR

Personal service:			
Permanent and temporary employees	\$46,847 64		
Service other than personal:			
Printing and binding	\$377 50		
Postage	2,911 22		
Advertising and posting	1,100 54		
Transportation of persons	3,077 20		
Cartage and freight	5 43		
Premium on surety bond	1,525 81		
Fees, service of venire, etc.	312 24		
	<hr/>	9,309 94	
Equipment:			
Office	382 20		
Supplies:			
Office	\$2,280 31		
Food and ice	58 80		
	<hr/>	2,339 11	
		<hr/>	58,878 89

ADMINISTRATION OF SINKING FUNDS

Personal service:			
Permanent employees	\$600 00		
Service other than personal:			
Rent	40 00		
	<hr/>		640 00

ASSESSORS'

Personal service:			
Permanent and temporary employees	\$28,570 00		
<i>Amount carried forward</i>	\$28,570 00	\$121,870 23	

General Government — Continued

Amount brought forward \$28,570 00 \$121,870 23

ASSESSORS' — Concluded

Service other than personal:

Printing and binding	\$298 25	
Postage	89 61	
Advertising and posting	32 22	
Transportation of persons	1,669 25	
	<hr/>	2,089 33

Equipment:

Office		397 27
------------------	--	--------

Supplies:

Office	\$1,452 31	
Food and ice	64 68	
	<hr/>	1,516 99

32,573 59

LICENSE COMMISSION

Personal service:

Permanent and temporary employees	\$7,081 00	
---	------------	--

Service other than personal:

Postage	\$20 00	
Communication	53 68	
	<hr/>	73 68

Supplies:

Office	\$319 00	
Supplies not otherwise coded	86 63	
	<hr/>	405 63

7,560 31

CITY CLERK

Personal service:

Permanent and temporary employees	\$17,358 00	
---	-------------	--

Service other than personal:

Printing and binding	\$104 12	
Postage	220 00	
Transportation of persons	30 00	
Premium on surety bond	31 00	
Fees, service of venires, etc.	761 25	
	<hr/>	1,146 37

Equipment:

Office		90 40
------------------	--	-------

Supplies:

Office	\$704 41	
Food and ice	63 70	
	<hr/>	768 11

19,362 88

CITY MESSENGER

Personal service:

Permanent and temporary employees	\$5,124 00	
---	------------	--

Service other than personal:

Postage	\$8 00	
Transportation of persons	36 50	
	<hr/>	44 50

Supplies:

Office		185 33
------------------	--	--------

5,353 83

Amount carried forward \$186,720 84

General Government — Continued

Amount brought forward \$186,720 84

LAW DEPARTMENT

Personal service:			
Permanent and temporary employees		\$9,073 00	
Service other than personal:			
Printing and binding	\$106 42		
Postage	112 80		
Transportation of persons	678 95		
Rent	750 00		
Communication	75 00		
Fees, etc.	2,707 78		
Photographic and blueprinting	100 75		
		<hr/>	4,531 70
Equipment:			
Office			96 45
Supplies:			
Office	\$522 57		
Library	7 50		
		<hr/>	530 07
		<hr/>	<hr/>
			14,231 22

ELECTION COMMISSION

Personal service:			
Permanent and temporary employees		\$26,024 21	
Service other than personal:			
Printing and binding	\$7,487 63		
Postage	331 36		
Advertising and posting	638 26		
Transportation of persons	490 30		
Cartage and freight	1,963 57		
Rent	1,734 00		
Communication	119 46		
Service not otherwise coded	888 35		
		<hr/>	13,652 93
Supplies:			
Office	\$1,452 05		
Food and ice	68 60		
Laundry, cleaning, etc.	16 56		
Supplies not otherwise coded	301 63		
		<hr/>	1,838 84
		<hr/>	<hr/>
			41,515 98

ENGINEERING DEPARTMENT

Personal service:			
Permanent and temporary employees		\$23,264 50	
Service other than personal:			
Printing and binding	\$76 41		
Postage	15 76		
Transportation of persons	90 00		
Motor vehicle repairs and care	63 95		
Fees, etc.	3 00		
Service not otherwise coded	108 29		
House measuring	61 25		
		<hr/>	418 66
		<hr/>	<hr/>
Amount carried forward		\$23,683 16	\$242,468 04

Amount brought forward \$23,683 16 \$242,468 04

General Government—Continued

ENGINEERING DEPARTMENT — Concluded

Supplies:			
Office	\$180 69		
Motor vehicle	158 13		
Supplies not otherwise coded	179 02		
		517 84	
			24,201 00

ENGINEERING — ASSESSORS' PLANS

Assessors' plans		1,192 74
----------------------------	--	----------

INSPECTION OF BUILDINGS

Personal service:			
Permanent and temporary employees	\$22,447 10		
Service other than personal:			
Printing and binding	\$24 25		
Postage	58 30		
Transportation of persons	406 25		
Motor vehicle repairs and care	306 06		
Town clocks	65 00		
Fees, etc.	7 50		
Service not otherwise coded	25 33		
Transportation out of State	297 37		
		1,190 06	
Supplies:			
Office	\$351 92		
Food and ice	80 36		
Motor vehicle	701 64		
		1,133 92	
			24,771 08

CIVIL SERVICE LABOR REGISTRATION

Personal service:			
Permanent employees	\$800 00		
Supplies:			
Office	38 71		
			838 71

MUNICIPAL BUILDINGS

Personal service:			
Permanent and temporary employees	\$37,071 59		
Service other than personal:			
Light and power	\$3,427 06		
Boiler inspection	10 00		
Service not otherwise coded	4,285 99		
		7,723 05	
Equipment:			
Furniture and fittings	\$368 28		
Equipment not otherwise coded	112 70		
		480 98	
Supplies:			
Fuel	\$3,869 76		
Laundry, cleaning, etc.	407 00		
Chemicals and disinfectants	268 72		
Supplies not otherwise coded	2,037 13		
		6,582 61	
Amount carried forward	\$51,858 23		\$293,471 57

General Government— *Concluded*

Amount brought forward \$51,858 23 \$293,471 57

MUNICIPAL BUILDINGS — *Concluded*

Special items:

Repairs made at

Central Square Building (fire damage)	\$6,888 36
Brattle Square Building	457 30
City Hall	698 44
Police Station No. 1	404 07
Police Station No. 3	2,788 79
Police Station No. 4	30 35

 11,267 31

 63,125 54

PROTECTION OF LIFE AND PROPERTY

POLICE DEPARTMENT

Personal service:

Permanent and temporary employees \$554,867 69

Service other than personal:

Printing and binding	\$32 83
Postage	127 00
Advertising and posting	72 58
Transportation of persons	503 76
Light and power	1,281 11
Rent	414 00
Communication	3,177 96
Motor vehicle repairs and care	3,270 38
Fees, etc.	17 50
Photographic and blueprinting	23 82
Service not otherwise coded	498 24
Transportation out of State	197 50

 9,616 68

Equipment:

Motor vehicles	\$3,074 20
Furniture and fittings	610 97
Office	416 21
Tools and instruments	14 70
Wearing apparel	10,250 80
Equipment not otherwise coded	51 45
Regalia	172 96

 14,591 29

Supplies:

Office	\$2,171 18
Food and ice	178 54
Laundry, cleaning, etc.	52 51
Motor vehicle	3,910 53
Supplies not otherwise coded	1,239 79

 7,552 55

 586,628 21

Amount carried forward \$943,225 32

Protection of Life and Property — *Continued*

Amount brought forward \$943,225 32

FIRE DEPARTMENT

Personal service:

Permanent and temporary employees..... \$448,499 65

Service other than personal:

Printing and binding..... \$398 37

Postage..... 14 76

Advertising and posting..... 14 70

Transportation of persons..... 60 00

Cartage and freight..... 14 26

Light and power..... 783 21

Communication..... 147 30

Motor vehicle repairs and care..... 1,751 94

Fees, etc..... 55 00

Service not otherwise coded..... 1,193 22

Transportation out of State..... 190 00

4,622 76

Equipment:

Motor vehicle..... \$4,434 09

Furniture and fittings..... 181 12

Wearing apparel..... 6,537 85

Equipment not otherwise coded..... 98 00

11,251 06

Supplies:

Office..... \$152 04

Food and ice..... 84 44

Fuel..... 6,493 41

Medical..... 31 31

Laundry, cleaning, etc..... 1,078 67

Motor vehicle..... 1,968 15

Chemicals and disinfectants..... 252 32

Supplies not otherwise coded..... 3,256 85

Motor supplies and parts..... 1,046 21

14,363 40

478,736 87

ELECTRICAL DEPARTMENT

Personal service:

Permanent and temporary employees..... \$64,786 36

Service other than personal:

Printing and binding..... \$34 79

Postage..... 3 00

Transportation of persons..... 618 25

Cartage and freight..... 25 04

Light and power..... 215 94

Rent..... 142 00

Communication..... 371 07

Motor vehicle repairs and care..... 526 56

Fees, etc..... 21 00

Service not otherwise coded..... 44 90

2,002 55

Amount carried forward \$66,788 91 \$1,421,962 19

Protection of Life and Property — *Continued*

Amount brought forward \$66,788 91 \$1,421,962 19

ELECTRICAL DEPARTMENT — *Concluded*

Equipment:

Apparatus, cable, wire, etc.	\$371 31	
Electrical	178 95	
Motor vehicle	612 63	
Office	148 77	
Tools and instruments	55 13	
Fire alarm boxes	1,384 50	
	<hr/>	2,751 29

Supplies:

Office	\$275 67	
Laundry, cleaning, etc.	45 13	
Motor vehicle	1,648 50	
Supplies not otherwise coded	724 34	
	<hr/>	2,693 64

72,233 84

PARK DEPARTMENT — FORESTRY

Personal service:

Permanent and temporary employees	\$19,828 05
---	-------------

Service other than personal:

Advertising and posting	\$5 88	
Motor vehicle repairs and care	148 23	
Service not otherwise coded	160 40	
	<hr/>	314 51

Equipment:

Wearing apparel	17 25
---------------------------	-------

Supplies:

Office	\$8 33	
Agricultural	1,954 63	
Motor vehicle	132 80	
Chemicals and disinfectants	290 95	
Supplies not otherwise coded	277 49	
	<hr/>	2,664 20

22,824 01

SEALER OF WEIGHTS AND MEASURES

Personal service:

Permanent and temporary employees	\$10,080 00
---	-------------

Service other than personal:

Printing and binding	\$86 24	
Postage	5 98	
Advertising and posting	5 88	
Transportation of persons	75 00	
Communication	39 80	
Motor vehicle repairs and care	132 75	
Stenographic, copying, indexing	2 23	
Fees, etc.	14 00	
	<hr/>	361 88

Supplies:

Office	\$2 94	
Motor vehicle	363 50	
Supplies not otherwise coded	183 38	
	<hr/>	549 82

10,991 70

Amount carried forward \$1,528,011 74

Protection of Life and Property — *Concluded*

Amount brought forward \$1,528,011 74

GAME WARDEN

Personal service:

Permanent service 50 00

MILITIA, USE OF RIFLE RANGE

Use of rifle range at Wakefield 2,221 28

POLE AND CONDUIT COMMISSION

Personal service:

Permanent employees \$200 00

Supplies:

Office 73 77

273 77

HEALTH AND SANITATION

BOARD OF HEALTH

Personal service:

Medical inspectors \$3,500 00

Sanitary inspectors 10,500 00

Inspectors of provisions and slaughtering 6,840 00

Housing inspector 2,700 00

Office employees 7,896 00

Social worker 1,900 00

Disinfector 1,790 68

School physicians and nurses 25,410 63

Infant welfare nurses 6,781 60

T. B. Dispensary physicians and nurses 4,200 00

Contagious nurses 3,172 50

Schick testing physician 1,500 00

Clinic nurse 1,566 35

\$77,757 76

Service other than personal:

Printing and binding \$301 34

Postage 394 67

Advertising and posting 36 39

Transportation of persons 1,212 50

Rent 385 32

Communication 218 59

Motor vehicle repairs and care 268 71

Care of persons 28,233 36

Fees, etc. 58 44

Service not otherwise coded 15 66

31,124 98

Supplies:

Office \$840 99

Food and ice 66 15

Motor vehicle 517 35

Chemicals and disinfectants 112 96

Supplies not otherwise coded 27 53

School inspection 199 70

Infant welfare 881 07

Schick test supplies 210 16

Tuberculosis dispensary 28 04

2,883 95

111,766 69

Amount carried forward \$1,642,323 48

Health and Sanitation — Continued

Amount brought forward \$1,642,323 48

TUBERCULOSIS HOSPITAL

Personal service:

Permanent and temporary employees \$31,179 68

Service other than personal:

Printing and binding	\$10 78	
Postage	20 86	
Cartage and freight	36 35	
Light and power	208 82	
Communication	134 32	
Service not otherwise coded	1,143 95	
		<hr/> 1,555 08

Equipment:

Furniture and fittings	\$680 87	
Medical, surgical, laboratory	499 09	
Equipment not otherwise coded	1,495 15	
		<hr/> 2,675 11

Supplies:

Office	\$54 29	
Food and ice	24,040 36	
Fuel	4,963 97	
Medical, surgical, laboratory	2,239 72	
Laundry, etc.	769 18	
Agriculture	45 04	
Chemicals and disinfectants	41 93	
Supplies not otherwise coded	1,422 55	
Engine and fire room supplies	532 08	
Bedding	795 31	
		<hr/> 34,904 43

\$70,314 30

HEALTH — LABORATORY

Personal service:

Permanent and temporary employees \$5,835 00

Service other than personal:

Postage	\$21 62	
Rent	127 40	
Motor vehicle repairs	72 58	
Fees, service of venire, etc.	5 00	
		<hr/> 226 60

Supplies:

Office	\$108 09	
Medical, surgical, laboratory	312 31	
Laundry, etc.	1 17	
Motor vehicle	181 15	
		<hr/> 602 72

6,664 32

DENTAL CLINIC

Personal service:

Permanent and temporary employees \$15,203 00

Supplies:

Office	\$132 30	
Medical, surgical, laboratory	961 80	
		<hr/> 1,094 10

16,297 10

Amount carried forward \$1,735,599 20

Health and Sanitation — Continued

Amount brought forward \$1,735,599 20

INSPECTION OF ANIMALS

Personal service:			
Permanent employee	\$2,000	00	
Service other than personal:			
Transportation of persons	450	00	
Supplies:			
Medical, surgical, laboratory	146	09	
			<u>2,596 09</u>

SEWER MAINTENANCE

Personal service:			
Permanent and temporary employees	\$40,009	65	
Service other than personal:			
Postage	\$5	00	
Advertising and posting	41	16	
Transportation of persons	116	65	
Cartage and freight	3	62	
Hire of teams and auto trucks	6	00	
Light and power	33	22	
Communication	91	05	
Motor vehicle repairs and care	1,337	79	
Cleaning	15	69	
Medical	3	92	
Fees, etc.	27	50	
Service not otherwise coded	228	21	
			<u>1,909 81</u>
Equipment:			
Motor vehicle	\$4,968	60	
Medical	3	77	
Tools and instruments	44	44	
Wearing apparel	169	37	
Equipment not otherwise coded	17	39	
			<u>5,203 57</u>
Supplies:			
Office	\$43	88	
Fuel	219	24	
Motor vehicle	3,543	80	
Chemicals and disinfectants	13	72	
Supplies not otherwise coded	156	59	
			<u>3,977 23</u>
Materials:			
Building	\$698	81	
Sewer	844	80	
			<u>1,543 61</u>
Special items:			
Workingmen's compensation	12	85	
			<u>52,656 72</u>

SUPPRESSION OF FLIES AND MOSQUITOES

Personal service:			
Temporary employees	\$144	00	
Supplies:			
Supplies not otherwise coded	21	20	
			<u>165 20</u>
Amount carried forward			<u>\$1,791,017 21</u>

Health and Sanitation — *Concluded*

Amount brought forward \$1,791,017 21

STREET DEPARTMENT — SANITARY DIVISION

REFUSE AND GARBAGE DISPOSAL

Personal service:

Permanent and temporary employees \$316,183 28

Service other than personal:

Hire of teams and auto trucks.....	\$465 50	
Rent.....	1,077 39	
Motor vehicle repairs and care.....	2,929 52	
Medical.....	947 70	
Fees, etc.....	69 00	
Service not otherwise coded.....	35 28	
		5,524 39

Equipment:

Motor vehicle.....	\$31,948 00	
Equipment not otherwise coded....	68 54	
		32,016 54

Supplies:

Motor vehicle.....	\$15,654 82	
Supplies not otherwise coded.....	437 35	
		16,092 17

Special items:

Workingmen's compensation.....	4,512 23	
		374,328 61

HIGHWAYS AND BRIDGES

STREET DEPARTMENT — MAINTENANCE

Personal service:

Permanent and temporary employees \$363,347 42

Service other than personal:

Printing and binding.....	\$144 66	
Postage.....	4 00	
Advertising and posting.....	208 53	
Cartage and freight.....	5 48	
Hire of teams and auto trucks.....	6,780 37	
Light and power.....	1,352 64	
Motor vehicle repairs and care.....	1,478 02	
Medical.....	184 00	
Fees, etc.....	151 74	
Boiler inspection.....	65 00	
Service not otherwise coded.....	1,505 72	
		11,880 16

Equipment:

Machinery.....	\$388 42	
Motor vehicle.....	9,774 48	
Motorless vehicles.....	322 17	
Office.....	72 22	
Tools and instruments.....	729 31	
Equipment not otherwise coded....	460 28	
		11,746 88

Supplies:

Office.....	\$386 71	
Food and ice.....	58 80	
Fuel.....	211 55	
Motor vehicle.....	11,376 75	
Supplies not otherwise coded.....	2,470 60	
		14,504 41

Amount carried forward \$401,478 87 \$2,165,345 82

Highways and Bridges — Continued

Amount brought forward \$401,478 87 \$2,165,345 82

STREET DEPARTMENT MAINTENANCE — Concluded

Materials:

Highway maintenance	\$31,652 53	
Bridges	1,905 17	
		<u>33,557 70</u>

Special items:

Bitulithic repairs	\$14,518 93	
Commercial Avenue	1,121 95	
Piling	2,500 00	
Incinerator ramp	3,920 00	
Workingmen's compensation	1,499 97	
		<u>23,560 85</u>

458,597 42

CITY HOME DRIVEWAY

Labor and material in construction of driveway	3,498 11
--	----------

TUBERCULOSIS HOSPITAL DRIVEWAY

Labor and material in construction of driveway	4,036 13
--	----------

EDGESTONES AND SIDEWALKS

Personal service:

Permanent and temporary employees	\$31,630 95
---	-------------

Materials:

Highway	<u>15,898 00</u>
-------------------	------------------

47,528 95

STREET MAINTENANCE — STABLE ACCOUNT

Personal service:

Permanent and temporary employees	\$79,691 88
---	-------------

Service other than personal:

Light and power	\$744 34	
Communication	394 03	
Medical	157 00	
Veterinary	41 50	
Service not otherwise coded	233 93	
		<u>1,570 80</u>

Supplies:

Food and ice	\$86 41	
Fuel	3,136 26	
Forage	8,626 22	
Supplies not otherwise coded	4,479 17	
		<u>16,328 06</u>

Special items:

Workingmen's compensation	<u>120 85</u>
-------------------------------------	---------------

97,711 59

BOSTON AND CAMBRIDGE BRIDGES

Personal service:

Permanent and temporary employees	\$7,941 12
---	------------

Service other than personal:

Printing and binding	\$20 92	
Light and power	3,634 44	
Communication	29 02	
Service not otherwise coded	3,146 75	
		<u>6,831 13</u>

Amount carried forward	\$14,772 25	\$2,776,718 02
----------------------------------	-------------	----------------

Highways and Bridges — *Concluded*

Amount brought forward \$14,772, 25 \$2,776,718 02

BOSTON AND CAMBRIDGE BRIDGES — *Concluded*

Supplies:

Office	\$10 71	
Fuel	6 44	
Supplies not otherwise coded	113 40	
		130 55

Materials:

Bridges		335 82
-------------------	--	--------

Special items:

Repairs to Prison Point Bridge	11,719 10	
		26,957 72

SIXTH STREET BRIDGE

Repairs to bridge		846 63
-----------------------------	--	--------

STREET LIGHTING

Service other than personal:

Lighting streets, alleys, etc.		150,756 30
--	--	------------

CHARITIES

PUBLIC WELFARE — CITY HOME

Personal service:

Permanent and temporary employees	\$34,656 49	
---	-------------	--

Service other than personal:

Postage	\$25 00	
Advertising and posting	38 08	
Transportation of persons	1,450 24	
Light and power	2,828 46	
Communication	424 63	
Motor vehicle repairs and care	52 92	
Medical	45 00	
Religious	165 00	
Fees, etc.	2 00	
Burial	187 00	
Service not otherwise coded	511 74	
		5,730 07

Equipment:

Furniture and fittings	\$5,282 02	
Medical, surgical, laboratory	193 60	
Wearing apparel	1,136 02	
		6,611 64

Supplies:

Office	\$100 08	
Food and ice	18,426 51	
Fuel	4,923 73	
Medical, surgical, laboratory	1,133 97	
Laundry, etc.	655 24	
Motor vehicle	201 06	
Chemicals and disinfectants	213 81	
Tobacco	516 79	
Supplies not otherwise coded	1,757 46	
		27,928 65

Special Items:

Cash paid to inmates	887 00	
		75,813 85

Amount carried forward \$3,031,092 52

Charities — Continued

Amount brought forward \$3,031,092 52

PUBLIC WELFARE — OUTSIDE AID

Personal Service:

Permanent and temporary employees \$23,216 00

Service other than Personal:

Printing and binding \$39 79
 Postage 100 00
 Transportation of persons 1,440 05
 Light and power 32 86
 Rent 277 34
 Communication 268 92
 Motor vehicle repairs and care 192 14
 Care of persons 1,804 15
 Fees, etc. 6 00
 Burial 267 00
 Service not otherwise coded 36 51
 Transportation out of State 550 00

5,014 76

Equipment:

Office \$344 36
 Wearing apparel 908 18

1,252 54

Supplies:

Office \$504 54
 Food and ice 15,167 65
 Fuel 1,298 39
 Medical, surgical, laboratory 1,223 61
 Laundry, cleaning, toilet 22 54
 Motor vehicle 269 15
 Supplies not otherwise coded 8 23

18,494 11

Special Items:

Care of dependents \$210,381 37
 Mothers' aid 91,262 99

301,644 36

349,621 77

MUNICIPAL HOSPITAL

Personal Service:

Permanent and temporary employees \$84,458 05

Service other than personal:

Printing and binding \$27 44
 Postage 47 00
 Advertising and posting 73 31
 Transportation of persons 84 80
 Cartage and freight 122 43
 Light and power 6,570 93
 Communication 1,243 60
 Cleaning 545 16
 Medical 374 50
 Examinations 249 00
 Fees, etc. 7 69
 Boiler inspection 30 00
 Service not otherwise coded 7,272 19

16,648 05

Amount carried forward \$101,106 10 \$3,380,714 29

Charities — Concluded

Amount brought forward \$101,106 10 \$3,380,714 29

MUNICIPAL HOSPITAL — Concluded

Equipment:			
Machinery, etc.	\$80 50		
Office	23 52		
Medical, surgical, laboratory	68 11		
		172 13	
Supplies:			
Office	\$2,750 40		
Food and ice	49,758 68		
Fuel	5,993 36		
Medical, surgical, laboratory	19,949 79		
Laundry, cleaning, etc.	3,200 70		
Supplies not otherwise coded	15,839 94		
		97,492 87	
			198,771 10

SOLDIERS' BENEFITS DEPARTMENT

Personal service:			
Permanent and temporary employees	\$8,695 00		
Service other than personal:			
Postage	\$26 00		
Transportation of persons	71 25		
Rent	29 40		
Motor vehicle repairs and care	12 64		
		139 29	
Equipment:			
Office		86 52	
Supplies:			
Office	\$73 32		
Food and ice	52 43		
Motor vehicle	196 35		
		322 10	
Special Items:			
State and military aid	\$61,616 53		
Pension account — clerks	150 00		
		61,766 53	
Incidental expenditures:			
Care of soldiers' graves		1,424 10	
			72,433 54

EDUCATION

SCHOOLS

For salary of Superintendent and Assistant Superin-			
tendent of Schools	\$12,700 00		
Other general administrative salaries	18,232 38		
Teachers' salaries	1,312,294 44		
General expenses	15,205 48		
Textbooks and supplies	94,451 09		
Tuition to other cities	8,999 32		
Transportation of pupils	1,961 50		
Support of truants	292 75		
Amount carried forward	\$1,464,136 96	\$3,651,918 93	

Education — *Concluded*

Amount brought forward \$1,464,136 96 \$3,651,918 93

SCHOOLS — *Concluded*

High school lunch supplies	\$40,361 35	
Continuation school supplies	1,844 38	
Repairs to buildings and grounds	75,990 48	
Fuel and light	38,700 40	
Furniture and furnishings	6,886 73	
Other school expenses	13,663 27	
Janitors' salaries	261,558 23	
Janitors' supplies	4,636 32	
Minors' licenses	41 25	
Postage and stationery	597 41	
Pensions	5,915 00	
	<hr/>	1,914,331 78

LIBRARIES

CENTRAL LIBRARY AND BRANCHES

Personal service:		
Permanent and temporary employees	\$65,368 70	
Service other than personal:		
Printing and binding	\$5,588 39	
Postage	288 56	
Advertising and posting	11 76	
Transportation of persons	40 00	
Cartage and freight	19 35	
Light and power	1,193 15	
Rent	5,173 58	
Insurance	1,028 60	
Communication	554 94	
Fees, etc.	2 00	
Service not otherwise coded	2,724 32	
	<hr/>	16,624 65
Equipment:		
Electrical	\$119 02	
Furniture and fittings	263 41	
Office	116 62	
Equipment not otherwise coded	667 00	
	<hr/>	1,166 05
Supplies:		
Office	\$353 04	
Food and ice	126 93	
Fuel	906 38	
Library	14,888 43	
Laundry, cleaning, etc.	88 96	
Motor vehicle	142 86	
Supplies not otherwise coded	409 75	
	<hr/>	16,916 35
Special items:		
Installation of new heating plant	10,617 74	
	<hr/>	110,693 49
Amount carried forward		\$5,676,944 20

Amount brought forward \$5,676,944 20

RECREATION

PARK MAINTENANCE — GENERAL

Personal service:

Permanent and temporary employees 63,430 21

Service other than personal:

Printing and binding	\$140 87	
Postage	9 04	
Advertising and posting	15 43	
Cartage and freight	8 58	
Hire and teams and auto trucks . .	39 20	
Light and power	615 87	
Lighting parks	979 16	
Rent	285 26	
Communication	248 67	
Motor vehicle repairs and care . . .	972 22	
Testing materials and supplies . . .	6 50	
Stenographic, copying, indexing . .	14 70	
Fees, etc.	4 00	
Photographic and blueprinting . . .	6 91	
Service not otherwise coded	3,478 27	
Laundering towels	1,196 67	
Transportation out of State	232 00	
		<u>8,253 35</u>

Equipment:

Apparatus, cable, wire, etc.	\$672 98	
Electrical	593 32	
Furniture and fittings	781 60	
Medical	29 40	
Bleachers for Russell Hoyt Field . .	3,000 00	
		<u>5,077 30</u>

Supplies:

Office	\$244 77	
Food and ice	60 27	
Fuel	2,699 55	
Laundry, cleaning, etc.	440 39	
Educational and recreational	205 00	
Agricultural	1,452 09	
Motor vehicle	1,218 94	
Chemicals and disinfectants	773 02	
Supplies not otherwise coded	2,309 16	
Fence posts	107 80	
		<u>9,510 99</u>

Materials:

Highway	2,065 53	
Grading and City Infirmary	3,391 76	

Special Items:

Workingmen's compensation	\$583 00	
Flag pole	1,176 00	
		<u>1,759 00</u>

93,488 14

Amount carried forward \$5,770,432 34

Recreation — Continued

Amount brought forward..... \$5,770,432 34

PARK DEPARTMENT — PLAYGROUNDS

Personal service:			
Permanent and temporary employees.....	\$39,194 91		
Service other than personal:			
Printing and binding.....	\$239 15		
Postage.....	35 00		
Transportation of persons.....	595 50		
Cartage and freight.....	49 65		
Light and power.....	18 79		
Rent.....	1,507 94		
Motor vehicle repairs and care....	123 75		
Fees, etc.....	2 00		
Photographic and blueprinting....	79 79		
Service not otherwise coded.....	660 77		
		3,312 34	
Equipment:			
Apparatus, etc.....	\$1,336 60		
Electrical.....	146 54		
Furniture and fittings.....	81 34		
Educational.....	19 31		
Office.....	30 87		
Tools and instruments.....	64 36		
		1,679 02	
Supplies:			
Office.....	\$149 12		
Food and ice.....	54 39		
Medical, surgical, laboratory.....	84 76		
Educational and recreational.....	2,897 57		
Motor vehicle.....	173 30		
Supplies not otherwise coded.....	275 19		
		3,634 33	
Incidental expenditures:			
Demonstration.....	1,088 66		
			48,909 26

PUBLIC BATHS

MAINTENANCE OF FLETCHER SCHOOL SHOWER BATHS

Personal service:			
Permanent and temporary employees.....	\$2,527 00		
Supplies:			
Soap, towels, laundry.....	560 56		
		3,087 56	

MAINTENANCE OF HAGGERTY SCHOOL SHOWER BATHS

Personal service:			
Permanent and temporary employees.....	\$1,278 00		
Supplies:			
Soap, towels, laundry.....	174 72		
		1,452 72	

Amount carried forward..... \$5,823,881 88

Recreation — *Concluded*

Amount brought forward \$5,823,881 88

MAINTENANCE OF ROBERTS SCHOOL SHOWER BATHS

Personal service:

Permanent and temporary employees \$532 50

Supplies:

Soap, towels, laundry 176 74

709 24

MAINTENANCE OF THORNDIKE SCHOOL SHOWER BATHS

Personal service:

Permanent and temporary employees \$1,784 00

Supplies:

Soap, towels, laundry 1,389 04

3,173 04

RECONSTRUCTION OF THORNDIKE SCHOOL SHOWER BATHS

Labor and materials \$7,442 70

UNCLASSIFIED

DAMAGES TO PERSONS AND PROPERTY

Executions of the court:

John J. Mahoney, Attorney for
Veronica Ciampa \$250 00

Harold C. Thompson, Attorney for
William Taylor 250 00

T. Francis O'Brien, Attorney for
Joseph Alfonso 480 00

Michael Flaherty, Attorney for
James O'Reilly 150 00

J. C. Johnston, Attorney for Annie
C. Harris 200 00

Harold A. Leventhal, Attorney for
Samuel Brown 150 00

Zimon & Zimon, Attorneys for
M. Kane 100 00

Walter F. Costello, Attorney for
Dennis Downey 2,000 00

James H. Baldwin, Attorney for
Benjamin H. Green 500 00

James H. Baldwin, Attorney for
Annette Green 250 00

John D. Mederios, Attorney for
Albert Gullage 300 00

John E. Rice, Attorney for Elizabeth
Crawford 1,900 00

Matthew A. Goldburgh, Attorney
for Harry Goldstein 290 00

Francis J. Greeley, Attorney for
Florence McRae 385 00

Charles G. Harrington, Attorney for
Amelia Imperato 126 73

Amount carried forward \$7,331 73

\$5,835,206 86

Unclassified — Continued

Amount brought forward \$7,331 73 \$5,835,203 86

DAMAGES TO PERSONS AND PROPERTY — Continued

Executions of the court — Concluded:

John L. G. Glynn, Attorney for Salvatore Fedelle	100 00	
John J. Mahoney, Attorney for Margaret Chiampi	150 00	
Louis L. Green, Attorney for Julia A. Brown	700 00	
John A. McCaig, Attorney for Florence G. Quinn	225 00	
Samuel Susser, Attorney for Bella Richards	200 00	
Matthew A. Goldburgh, Attorney for Frank Garrity	250 00	
Colbert & Cotter, Attorneys for Thomas P. Mooney	300 00	
Thomas A. Dolan, Attorney for Angelina Mastrullo	250 00	
Harry Peck, Attorney for Margaret E. Murphy	150 00	
George A. McLaughlin, Attorney for Christina Martel	350 00	
Morris Spector, Attorney for Francis Hanrahan	475 00	
James A. Vitelli, Attorney for Thomas Doucette	50 00	
James A. Vitelli, Attorney for Joseph Mahar	50 00	
M. J. Flaherty, Attorney for Almedia Medeiros	75 00	
Everts, Keenan & Aldreidge, Attorneys for Bessie Gilman	385 00	
Karl G. Baker, Attorney for Mary A. Frazer	400 00	
Louis Hamburger, Attorney for Eva Kurzman	390 00	
Frank J. Donahue, Attorney for Esther Kiernan	240 00	
Matthew A. Goldburgh, Attorney for Isabelle E. F. Cody	125 00	
John Lawrence, Attorney for Rose Sampson	600 00	
M. J. Flaherty, Attorney for Came Damelio	35 00	
David Short, Attorney for Joseph Consentino	225 00	
George A. Kearsley, Attorney for Johanna S. Day	2,232 33	
		\$15,289 06

Injuries from defect in sidewalk and street:

William T. Duddy	\$25 00
Martin E. Green	200 00
Mary Oliva	50 00

Amount carried forward	\$275 00	\$15,289 06	\$5,835,206 86
----------------------------------	----------	-------------	----------------

Unclassified — Continued

Amount brought forward \$275 00 \$15,289 06 \$5,835,206 86

DAMAGES TO PERSONS AND PROPERTY — Continued

Injuries from defect in sidewalk and street:

Miles Rowland	150 00
Muriel Ryan	350 00
Lucy Clough	150 00
Mary Burke	200 00
Elizabeth Caterino	150 00
Thomas F. Sullivan	150 00
Cornelius Driscoll	1,000 00
Catherine E. Brogan	250 00
Mary Brown	100 00
Nellie J. Norton	100 00
Annie Flaherty	250 00
Martin J. Norris	200 00
Dorothy Sullivan	50 00
Nora T. Griffin	200 00
Michael T. Mulreu	50 00
Mary O'Hearn	75 00
Mary M. Bresnan	300 00
Frances Hattory	100 00
Margaret O'Connell	250 00
Frederick J. White	300 00
Mildred Ackerly	25 00
Thurl Hutlen	225 00
Rose Ford	200 00
Sarah Doyle	100 00
Sadie Fredericks	15 00
Henry C. Harris	100 00
Katherine O'Keefe	150 00
William J. Shippi	100 00
Marjie Whitaker	11 00
Margaret Hodge	50 00
Carmela Briguglio	100 00
Claire Rosenberg	50 00
Mae G. Welsh	125 00
Estate of Annie Roscoe	225 00
Caroline McKinnon	125 00
Margaret Currier	50 00
Catherine Lindsay	75 00
John R. Loud	50 00
Lillian Ritchie	100 00
Stella Beloir	200 00
Mortimer Flanagan	25 00
Alyce M. Galvin	100 00
Margaret Brackett	150 00
Catherine A. Kelley	75 00
Marie R. LeBarge	25 00
Thomas F. Griffin	350 00
Mrs. William H. Rothfuchs	250 00
Katherine Littlefield	100 00
William T. Luscombe	175 00
Alda Taddie	350 00
Arthur L. Wade	50 00

Amount carried forward \$8,376 00 \$15,289 06 \$5,835,206 86

Unclassified — Continued

Amount brought forward \$8,376 00 \$15,289 06 \$5,835,206 86

DAMAGES TO PERSONS AND PROPERTY — Continued

Injuries from defect in sidewalk and street:

George M. Walsh	150 00	
Mary Boudreau	75 00	
Helen O'Malley	60 00	
Julia Fitzgerald	25 00	
James Keefe	200 00	
Evelyn M. Romley	200 00	
Anthony Parone	300 00	
Bess Winthrop	200 00	
		9,586 00

Damages from defect in street:

Gertrude Cleary	49 40	
Andrew Keenan	49 75	
Daniel F. Driscoll	25 00	
George E. Hannon	6 00	
Arthur Scipione	11 50	
James J. Cassidy	83 80	
William J. Geary	103 14	
Elles W. Kreicklaus	20 00	
John Donovan	40 00	
Michael Coyne	10 50	
John F. McElleny	10 00	
Gertrude Cleary	38 60	
Louis S. Cleavis	28 85	
James Fenton	14 00	
Sadie A. Melville	40 00	
Abraham Lamkin	5 75	
Robert T. O'Holloran	35 00	
Julia Sullivan	15 00	
		586 29

Miscellaneous damages:

Margaret Walsh	\$3 75
Anthony Pocharski	3 40
Eugenio Andella	3 00
Pasquale Sateriele	1 25
Catherine Cullinane	1 50
Mary R. Stephenson	2 00
Eugenio Andella	3 00
Gaetano Dalessio	6 15
Maurice O'Connor	4 00
Pasquale Sateriale	2 50
Mary J. Hussey	59 05
Mary Rae	87 53
Leo A. Croisetiere	25 00
Ivers & Pond Piano Company	500 00
Dennis F. Navien	25 00
Marie Zimmerman	50 00
Chester Farrissee	10 25
Marie LeChester	28 50
Sherwood Van Tassell	20 00
Allen Sexton	75 00

Amount carried forward \$910 88 \$25,461 35 \$5,835,206 86

Unclassified — Continued

Amount brought forward \$910 88 \$25,461 35 \$5,835,206 86

DAMAGES TO PERSONS AND PROPERTY — Concluded

Miscellaneous damages:

Benjamin Zuker	52 00	
John C. Driscoll	124 20	
William Dynan	5 00	
Mary Floris	122 00	
William C. Richardson	50 00	
Mary Stephenson	2 50	
Thomas J. Collins	50 00	
	<hr/>	1,316 58

Miscellaneous injuries:

Catherine H. Murphy	\$50 00	
Charles H. Collins	100 00	
Herbert Halliday	2 00	
Mildred Shepherd	75 00	
	<hr/>	227 00

27,004 93

POSTAGE AND STATIONERY

Postage and supplies 769 17

TELEPHONE EXCHANGE

Personal service:

Permanent and temporary employees \$2,031 45

Service other than personal:

Communication 2,959 52

4,990 97

MUNICIPAL PENSIONS

Building	\$702 00	
Cemetery	1,060 80	
City Home	1,590 16	
Engineering	2,064 40	
Fire	28,124 15	
Health	854 39	
Library	624 00	
License Commission	689 00	
Park	2,117 12	
Police	17,178 70	
School	5,343 12	
Sewer	9,690 01	
Street	39,151 77	
Treasury	1,872 00	
	<hr/>	111,061 62

G. A. R. HEADQUARTERS, POST 30

For rent of headquarters, Post 30, G. A. R. 400 00

RUSSELL E. HOYT HEADQUARTERS, POST 299

For rent of headquarters, Post 299 1,500 00

MEMORIAL DAY

Observance of Memorial Day by the various posts 3,858 79

Amount carried forward \$5,984,792 34

Unclassified — *Concluded*

Amount brought forward \$5,984,792 34

SUNDRY PUBLIC CELEBRATIONS

Patriots' Day	\$198 41	
Independence Day	8,209 09	
Labor Day	410 75	
		8,818 25

BOARD OF APPEAL

Clerical service and supplies		662 83
---	--	--------

ANNUAL DOCUMENTS (1923)

Printing of annual documents for year ending March 31, 1923		2,110 68
---	--	----------

CEMETERIES

CEMETERY — MAINTENANCE

Personal service:

Permanent and temporary employees	\$53,703 81	
---	-------------	--

Service other than personal:

Printing and binding	\$76 44
Postage	10 00
Advertising and posting	13 15
Transportation of persons	235 75
Cartage and freight	7 53
Hire of teams and auto trucks	107 80
Light and power	91 03
Premium on surety bonds	18 00
Communication	192 21
Motor vehicle repairs and care	383 24
Medical	13 00
Blacksmith	41 16
Fees, etc.	2 00
Service not otherwise coded	517 88

1,709 19

Equipment:

Machinery	\$280 25
Office	85 00
Tools and instruments	498 03
Wearing apparel	34 30
Equipment not otherwise coded	117 30

1,014 88

Supplies:

Office	\$164 80
Food and ice	93 93
Fuel	316 76
Agricultural	1,963 97
Motor vehicle	1,082 78
Supplies not otherwise coded	1,308 19

4,930 43

Materials:

Buildings	\$238 97
Highway	439 36
Materials not otherwise coded	735 60

1,413 93

Incidental expenditures:

Filling and grading		5,116 23
		67,888 47

Amount carried forward \$6,064,272 57

Amount brought forward \$6,064,272 57

PUBLIC SERVICE ENTERPRISES

WATER DEPARTMENT — MAINTENANCE GENERAL

Personal service:

For salaries of

Superintendent	\$5,000 00
Chief clerk	2,800 00
Clerks	13,015 09
Inspectors	24,200 00
Labor	119,331 69
Unassigned	105 00
Transient employees	624 20
Treasurer of sinking fund	200 00

\$165,275 98

Service other than personal:

Printing and binding	\$164 15
Postage	915 90
Advertising and posting	62 76
Transportation of persons	651 25
Cartage and freight	25 76
Hire of teams and auto trucks	92 35
Light and power	252 34
Lighting	56 04
Rent, taxes, water	3,228 65
Communication	788 53
Motor vehicle repairs and care	550 03
Medical	40 00
Blacksmith	6 36
Protective and preventive	57 33
Extermination of insects	23 63
Fees, etc.	37 50
Photographic and blueprinting	16 10
Service not otherwise coded	823 54

7,792 22

Equipment:

Motor vehicles	\$1,830 64
Furniture and fittings	19 60
Office	107 66
Medical	5 40
Tools and instruments	1,468 86
Wearing apparel	53 58
Equipment not otherwise coded	695 34

4,181 08

Supplies:

Office	\$1,281 76
Food and ice	1,462 54
Fuel	293 63
Laundry, cleaning, etc.	23 52
Motor vehicle	2,906 30
Chemicals, chlorine	164 07
Supplies not otherwise coded	1,155 63

7,287 45

Materials:

Water	\$33,485 64
Materials not otherwise coded	325 07

33,810 71

Amount carried forward \$218,347 44 \$6,064,272 57

Public Service Enterprises — *Continued*

Amount brought forward \$218,347 44 \$6,064,272 57

WATER DEPARTMENT — MAINTENANCE — *Concluded*

Special items:

Damages \$4,701 89
Pensions and annuities 11,485 38
Refunds and abatements 905 15
Workingmen's compensation 325 71

17,418 13

Debt and Interest:

Serial loans \$33,000 00
Interest 36,557 50

69,557 50

Incidental expenditures:

Inspection of plant \$1,058 70
Leakage 733 41
Inspections outside of State 1,069 59

2,861 70

308,184 77

WATER DEPARTMENT — PUMPING

Personal service:

Permanent employees \$24,554 75
Temporary employees 4,854 22

\$29,408 97

Service other than personal:

Postage \$10 00
Advertising and posting 14 70
Transportation of persons 25 00
Cartage and freight 47 51
Light and power 702 80
Communication 91 72
Testing materials and supplies 65 66
Service not otherwise coded 1,706 15

2,663 54

Equipment:

Medical \$3 48
Tools and instruments 96 47
Equipment not otherwise coded 1,489 83

1,589 78

Supplies:

Office \$23 63
Food and ice 99 84
Fuel 20,909 80
Laundry, cleaning, etc. 31 20
Chemicals and disinfectants 34 55
Supplies not otherwise coded 2,374 78

23,473 80

Materials:

Water \$39 60
Materials not otherwise coded 2,538 68

2,578 28

Special Items:

Workingmen's compensation \$36 00
Pump 74,266 67

74,302 67

134,017 04

Amount carried forward \$6,506,474 38

Public Service Enterprises — *Continued*

Amount brought forward \$6,506,474 38

WATER DEPARTMENT — RESERVOIRS

Personal service:

Permanent employees \$23,424 55
Temporary employees 21,975 38

\$ 45,399 93

Service other than personal:

Printing and binding \$15 68
Postage and stationery 5 00
Advertising and posting 16 66
Transportation of persons 121 25
Hire of teams and auto trucks 60 76
Lighting 6 40
Rent 62 40
Communication 185 07
Motorless vehicle repairs 12 74
Cleaning 4,638 93
Service not otherwise coded 1,436 65
Harness, etc., repairs 14 99
Horseshowing and clipping 257 74

6,835 27

Equipment:

Motorless vehicles \$123 48
Tools and instruments 119 57
Live stock 222 50
Equipment not otherwise coded 97 50

563 05

Supplies:

Food and ice \$15 00
Fuel 91 43
Forage 466 60
Chemicals and disinfectants 2 94
Supplies not otherwise coded 434 45

1,010 42

Payson Park repairs 6,283 41

Materials:

Materials not otherwise coded 946 72

61,038 80

WATER DEPARTMENT — FILTRATION

Personal service:

Permanent employees \$18,604 47
Temporary employees 606 63

\$19,211 10

Service other than personal:

Printing and binding \$33 81
Postage 10 00
Advertising and posting 18 75
Cartage and freight 31 61
Light and power 4,681 90
Communication 55 51
Service not otherwise coded 261 70

5,093 28

Amount carried forward \$24,304 138 \$6,567,513 18

Public Service Enterprises — *Concluded*

Amount brought forward \$24,304 38 \$6,567,513 18

WATER DEPARTMENT — FILTRATION — *Concluded*

Equipment:			
Office	\$26 21		
Medical	46 78		
Tools and instruments	4 12		
Equipment not otherwise coded	220 24		
		297 35	
Supplies:			
Office	\$72 63		
Food and ice	76 14		
Fuel	498 16		
Medical	173 25		
Chemicals and disinfectants	18,814 10		
Supplies not otherwise coded	609 08		
		20,243 36	
			44,845 09

CITY DEBT REQUIREMENTS
MUNICIPAL SERIAL LOANS

For loans that have matured as follows:			
Sewer separate system	\$22,000 00		
Sewer construction	13,500 00		
Street	315,300 00		
Hospital	22,000 00		
Cemetery	1,000 00		
Schoolhouse	68,000 00		
Cambridge bridge	2,400 00		
Playground	3,300 00		
Park	4,000 00		
Building	51,000 00		
First Street bridge	6,000 00		
Departmental equipment	84,000 00		
Church Street widening	3,500 00		
Broadway and Main Street widening	29,000 00		
Sixth Street bridge	3,000 00		
Oak Circle extension	500 00		
Third Street bridge	2,500 00		
Massachusetts Avenue bridge	26,000 00		
Charles River bridge	14,000 00		
		671,000 00	

INTEREST

For interest on loans in anticipation of taxes	\$98,541 14		
Building loan	31,864 37		
Cambridge bridge	51,355 50		
Commercial Avenue bridge	2,000 00		
Cambridge Bridge, special	945 00		
Cemetery	340 00		
Hospital	13,745 00		
Church Street widening	1,120 00		
Charles River bridge	7,608 75		
Metropolitan Park assessment	41,512 50		
Playground	5,776 50		
First Street bridge	2,772 50		
Street	91,418 38		
Amount carried forward	\$348,999 64	\$7,283,358 27	

City Debt Requirements — *Concluded*

Amount brought forward \$348,999 64 \$7,283,358 27

INTEREST — *Concluded*

Charles River improvement	\$1,993 75	
Sewer construction	19,542 50	
Sewer separate system	32,209 29	
Improved sewer	15,382 50	
Additional departmental equipment	9,346 25	
Oak Circle extension	120 00	
Munroe Street	212 50	
Schoolhouse	44,483 13	
Main Street and Broadway widening	12,030 00	
Sixth Street bridge	1,320 00	
Third Street bridge	1,762 51	
Massachusetts Avenue bridge	3,120 00	
Building school	17 50	
Interest on emergency loan	7,855 08	
Interest in lieu of loan	192 29	
Sanders Temperance Fund	450 00	
Daniel White Charity Fund	300 00	
		<u>499,336 94</u>

SINKING FUND REQUIREMENTS FOR 1929

From City Treasurer, appropriation for 1929:

Cambridge bridge loan	\$16,392 00	
Brookline bridge loan	300 00	
Commercial Avenue bridge loan	600 00	
Park loan	13,200 00	
Cambridge bridge, special loan	560 00	
Improved sewers loan	7,980 00	
Separate system sewers loan	5,340 00	
Metropolitan Park assessment loan	920 00	
Playgrounds loan	1,900 00	
Hospital loan	4,340 00	
*General municipal loans	17,188 25	
		<u>68,720 25</u>

*Sewer construction
Schools
Streets

SPECIAL FUND AND LOAN ACCOUNTS

DEPARTMENTAL EQUIPMENT

ELECTRICAL DEPARTMENT UNDERGROUND CABLE

Personal service:

Employees	\$2,039 13
---------------------	------------

Service other than personal, material, etc.:

Cables, etc.	\$3,861 54
Cartage and freight	2 25
Lumber	14 97
Pipe	74 48
Repairs to bitulithic	15 66
Sand and gravel	17 91
Tools and miscellaneous supplies	2,544 57
	<u>6,531 38</u>

8,570 51

Amount carried forward \$7,859,985 97

Special Fund and Loan Accounts — *Concluded*

Amount brought forward \$7,859,985 97

ELECTRICAL — TRAFFIC

Personal service:			
Employees	\$1,885 98		
Services, material, etc:			
Advertising	18 75		
Blueprints	4 94		
City traffic control system	2,125 00		
Constructing and repairing islands	7,529 34		
Electric beacons located in Central Square	490 00		
Engineer's services	1,100 00		
Expenses to Baltimore; Rochester and Moline	220 94		
Furnishing and repairing pedestals	207 76		
Lanterns, etc.	761 16		
Lumber	16 09		
Reflector signs	719 81		
Sand and gravel	30 63		
Steel	28 52		
Storage: cartage and freight	46 40		
Tools and miscellaneous	1,277 39		
		14,576 73	
			16,462 71

HEALTH AND SANITATION

SEWER DEPARTMENT CONSTRUCTION GENERAL

Personal service:			
Employees	\$72,938 77		
Teaming	464 00		
		\$73,402 77	
Service other than personal, material, etc.:			
Advertising	11 76		
Bricks	767 73		
Carpenter work	195 11		
Cement	3,229 00		
Crushed stone	14 95		
Cutting steel	5 97		
Driving piles, etc.	637 00		
Frames	674 75		
Fuel	143 66		
Hood traps	138 18		
Hydraulic Hoist	245 00		
Inspection and tests	246 12		
Lighting	15 00		
Lumber	2,176 34		
Oil; gasoline and kerosene	499 07		
Pipe, etc.	13,145 97		
Rental of steam shovel	948 96		
Repairing Bitulithic	94 71		
Repairs on hoist	635 04		
Repairs on Mixer	28 96		
Repairs on pump	19 35		
Rods	2,078 04		
Sand and gravel	2,859 02		
Amount carried forward	\$28,809 69	\$73,402 77	\$7,876,448 68

Health and Sanitation — *Concluded*

Amount brought forward \$28,809 69 \$73,402 77 \$7,876,448 68

SEWER DEPARTMENT CONSTRUCTION GENERAL — *Concluded*

Sharpening tools	182 70		
Stone	69 91		
Straw, hay etc.	16 48		
Taking of land	1,500 00		
Tools and miscellaneous supplies. . .	4,006 00		
	<hr/>	34,584 78	
		<hr/>	107,987 55

HIGHWAYS AND BRIDGES

ALBANY STREET

Personal service:			
Employees		\$21,835 36	
Service other than personal, material, etc.:			
Cement	\$2,169 46		
Compressor rental	36 75		
Lighting	166 35		
Recutting blocks	4,837 23		
Repairs and rental of mixer	142 23		
Sand and gravel	3,125 85		
Tools and miscellaneous	116 12		
Trucking	2,332 38		
	<hr/>	12,926 37	
		<hr/>	34,761 73

BENT STREET

Personal service:			
Employees		\$7,062 48	
Service other than personal, material, etc.:			
Cinders	\$132 30		
Crushed stone	163 29		
Edgestone	967 76		
Excavating	1,912 30		
Fuel	83 61		
Gasoline, kerosene and oil	31 36		
Rental of compressor	183 01		
Sewer work	27 93		
Trucking	300 00		
	<hr/>	3,801 56	
		<hr/>	10,864 04

BOWDOIN STREET

Personal service:			
Employees		\$1,827 75	
Service other than personal, material, etc.:			
Bitulithic	\$4,284 46		
Edgestone	201 88		
Fuel	89 41		
Tools and miscellaneous	11 27		
Trucking	200 00		
	<hr/>	4,787 02	
		<hr/>	6,614 77
Amount carried forward			\$8,036,676 77

Highways and Bridges — Continued

Amount brought forward \$8,036,676 77

BROOKLINE STREET

Personal service:

Employees \$1,185 92

Service other than personal, material, etc.:

Binder \$698 74

Bitulithic 1,241 94

Concrete base 339 41

Lighting 9 80

Tools and miscellaneous 17 64

Trucking 250 00

2,557 53

3,743 45

CAMBRIDGE STREET

Personal service:

Employees \$3,832 65

Service other than personal, material, etc.:

Bitulithic \$1,229 01

Cement 252 69

Fuel 60 86

Sand and gravel 153 81

Trucking 500 00

2,196 37

6,029 02

CAMBRIDGE STREET BREAK

Personal service:

Employees \$2,055 58

Service other than personal, material, etc.:

Bricks \$104 76

Concrete 231 20

335 96

2,391 54

CHILTON STREET

Personal service:

Employees \$684 54

Service other than personal, material, etc.:

Binder \$739 90

Crushed stone 1,410 39

Oil 308 70

Tools and miscellaneous 2 45

2,461 44

3,145 98

CONCORD AVENUE

Service other than personal, material, etc.:

Bitulithic 996 34

COTTAGE STREET

Personal service:

Employees \$2,380 17

Service other than personal, material, etc.:

Bitulithic \$5,217 32

Lighting 21 95

Tools and miscellaneous 8 55

Trucking 525 00

5,772 82

8,152 99

Amount carried forward \$8,061,136 09

Highways and Bridges — *Continued*

Amount brought forward \$8,061,136 09

ELLERY STREET

Personal service:

Employees \$1,740 26

Service other than personal, material, etc.:

Bitulithic \$3,240 63

Fuel 64 24

Horses and trucks 500 00

3,804 87

5,545 13

ENDICOTT STREET

Personal service:

Employees 225 09

FAYERWEATHER STREET

Personal service:

Employees \$787 39

Service other than personal, material, etc.:

Asphalt \$325 56

Binder 1,813 88

Crushed stone 1,834 21

Oil 102 90

Roller parts 180 97

4,257 52

5,044 91

FRANK STREET

Personal service:

Employees \$125 91

Service other than personal, material, etc.:

Binder \$1,050 66

Crushed stone 243 19

Fuel 42 86

Road oil 205 80

1,542 51

1,668 42

GARDEN STREET

Personal service:

Employees \$5,766 27

Service other than personal, material, etc.

Bitulithic \$5,689 15

Cement 489 50

Crushed stone 1,768 33

Edgestone 568 29

Fuel 20 58

Lighting 37 63

Rent of steam shovel 1,486 50

Sand and gravel 427 02

Tools and miscellaneous 1 32

Trucks and horses 600 00

11,088 32

16,854 59

Amount carried forward \$8,090,474 23

Highways and Bridges — *Continued*

Amount brought forward..... \$8,090,474 23

HAMPSHIRE STREET

Personal service:

Employees..... \$4,354 51

Service other than personal, material, etc.:

Bricks..... \$154 35
 Cement..... 535 42
 Mixer repairs and parts..... 13 33
 Sand and gravel..... 502 18
 Tools and miscellaneous..... 59 65
 Trucking and horses..... 805 00

2,069 93

6,424 44

HARRISON AVENUE

Personal service:

Employees..... \$2,860 10

Service other than personal, material, etc.:

Crushed stone..... \$1,082 35
 Fuel..... 137 37
 Oil..... 102 90
 Rental of steam shovel..... 1,248 12
 Roller parts..... 92 61
 Tools and miscellaneous..... 287 14
 Trucking..... 300 00

3,250 49

6,110 59

HARVARD SQUARE

(And Massachusetts Avenue from Blake Street, northerly)

Personal service:

Employees..... \$6,167 96

Service other than personal, material, etc.:

Binder..... \$8,284 14
 Bitulithic..... 13,953 40
 Bricks..... 51 45
 Cement..... 162 92
 Lighting..... 80 26
 Sand and gravel..... 217 89
 Tools and miscellaneous..... 238 23
 Trucking and horses..... 962 83

23,951 12

30,119 08

HIGHLAND AVENUE

Personal service:

Employees..... \$7,929 51

Service other than personal, material, etc.:

Bitulithic..... \$6,021 71
 Crushed stone..... 203 01
 Fuel..... 43 90
 Sand and gravel..... 28 92
 Tools and miscellaneous..... 39 69
 Trucking and horses..... 600 00

6,937 23

14,866 74

Amount carried forward..... \$8,147,995 08

Highways and Bridges — *Continued*

Amount brought forward \$8,147,995 08

LAKEVIEW AVENUE

Personal service:			
Employees		\$7,336 29	
Service other than personal, material, etc.:			
Binder	\$234 91		
Bitulithic	10,931 80		
Fuel	184 27		
Lighting	99 47		
Sand and gravel	54 44		
Tools and miscellaneous supplies . .	7 64		
Use of horses and trucks	500 00		
		<u>12,012 53</u>	
			<u>19,348 82</u>

MADISON AVENUE

Personal service:			
Employees		\$1,513 54	
Service other than personal, material, etc.:			
Bitulithic	\$3,493 67		
Fuel	71 57		
Use of horses and trucks	500 00		
		<u>4,065 24</u>	
			<u>5,578 78</u>

MAIN STREET AND BROADWAY WIDENING

Personal service:			
Employees		\$17,804 87	
Service other than personal, material, etc.:			
Cement	\$810 68		
Concrete pavement	4,349 21		
Fuel	83 68		
Land damages	27,243 95		
Lighting	54 59		
Mixer expenses	926 00		
Recutting blocks	1,149 63		
Rental of mixer	100 00		
Sand and gravel	640 18		
Tools and miscellaneous supplies . .	245 54		
Use of horses and trucks	1,381 00		
		<u>36,984 46</u>	
			<u>54,789 33</u>

MAPLE AVENUE

Personal service:			
Employees		\$6,563 28	
Service other than personal, material, etc.:			
Asphalt	\$156 80		
Bitulithic	6,411 43		
Lighting	19 60		
Tools and miscellaneous supplies . .	56 64		
Use of horses and trucks	600 00		
		<u>7,244 47</u>	
			<u>13,807 75</u>

Amount carried forward \$8,241,519 76

Highways and Bridges — Continued

Amount brought forward \$8,241,519 76

MASSACHUSETTS AVENUE

(Railroad to Princeton Street)

Personal service:

Employees \$2,905 78

Service other than personal, material, etc.:

Advertising \$24 50

Cement 327 09

Lighting 153 86

Recutting blocks 1,549 56

Rental of mixer 29 40

Sand and gravel 134 13

Tools and miscellaneous supplies 4 38

Trucks and horses 865 63

3,088 55

5,994 33

MOUNT AUBURN STREET

Service other than personal, material, etc.:

Bitulithic \$3,674 90

Concrete base 1,176 00

4,850 90

NARROWING SIDEWALK ON MASSACHUSETTS AVENUE

Taking of land 900 00

PEARL STREET

Personal service:

Employees \$1,304 36

Service other than personal, material, etc.:

Binder \$1,092 70

Bitulithic 1,200 99

Lighting 63 31

Tools and miscellaneous supplies 40 75

Paving 1,503 78

Trucks and horses 250 00

4,151 53

5,455 89

PORTLAND STREET

(Cambridge — Vandine)

Personal service:

Employees \$19,333 76

Service other than personal, material, etc.:

Cement \$2,000 95

Lighting 45 47

Mixer repairs and parts 177 42

Recutting blocks 4,871 86

Rental of mixer 100 58

Sand and gravel 2,785 37

Steel 9 60

Tools and miscellaneous supplies 377 69

Trucks and horses 1,649 75

12,018 69

31,352 45

Amount carried forward \$8,290,073 33

Highways and Bridges — Continued

Amount brought forward..... \$8,290,073 33

PORTLAND STREET

(Main — Albany)

Personal service:

Employees..... \$3,534 72

Teaming..... 284 25

\$3,818 97

Service other than personal, material, etc.:

Cement..... \$931 61

Recutting blocks..... 1,107 93

Rent of compressor..... 75 46

Rental of mixer..... 160 76

Sand and gravel..... 369 61

Trucks and horses..... 250 00

2,895 376,714 34

PRINCE STREET

Personal service:

Employees..... \$2,484 61

Service other than personal, material, etc.:

Crushed stone..... \$767 18

Truck hire..... 37 50

804 683,289 29

PUTNAM AVENUE

Personal service:

Employees..... \$7,642 14

Service other than personal, material, etc.:

Binder..... \$3,088 47

Bitulithic..... 11,891 27

Cement..... 361 97

Lighting..... 88 10

Sand and gravel..... 761 18

Tools and miscellaneous supplies.. 193 99

Trucks and horses..... 1,137 50

17,522 4825,164 62

PUTNAM SQUARE AND MASSACHUSETTS AVENUE

FROM NORFOLK TO COLUMBIA STREET

Personal service:

Employees..... \$1,932 05

Service other than personal, material, etc.:

Advertising..... \$19 60

Binder..... 4,140 79

Bitulithic..... 6,854 40

Tools and miscellaneous supplies.. 20 20

Trucks and horses..... 837 50

11,872 4913,804 54

Amount carried forward..... \$8,339,046 12

Highways and Bridges — *Continued*

Amount brought forward \$8,339,046 12

RICHARD AVENUE

Personal service:

Employees \$1,477 13

Service other than personal, material, etc.:

Asphalt \$1,111 04

Binder 565 56

Crushed stone 1,295 84

Fuel 91 48

Road oil 205 80

3,269 72

4,746 85

RIVER STREET

Personal service:

Employees \$10,032 71

Service other than personal, material, etc.:

Advertising \$22 05

Cement 937 47

Concrete 202 50

Cutting blocks 2,072 89

Lighting 42 75

Rental of mixer 146 01

Sand and gravel 502 54

Tools and miscellaneous supplies.. 138 45

Trucks and horses 800 00

4,864 66

14,897 37

ROCKINGHAM STREET

Personal service:

Employees \$2,051 59

Service other than personal, material, etc.:

Binder \$393 25

Crushed stone 783 54

1,176 79

3,228 38

SHERMAN STREET

Personal service:

Employees \$4,506 30

Service other than personal, material, etc.:

Bitulithic \$5,323 09

Cement 1,193 44

Cinders 29 40

Crushed stone 408 59

Excavation 1,304 50

Fuel 24 33

Lighting 142 49

Mixer repairs 156 19

Sand and gravel 813 27

Tools and miscellaneous supplies.. 110 52

Trucks and horses 250 00

9,755 82

14,262 12

Amount carried forward \$8,376,180 84

Highways and Bridges — Continued

Amount brought forward \$8,376,180 84

SIDNEY STREET

Personal service:

Employees \$12,801 38

Service other than personal, material, etc.:

Advertising \$19 11

Bricks 51 45

Cement 84 02

Concrete 19,924 61

Filler 174 42

Lighting 112 21

Sand and gravel 98 14

Tools and miscellaneous supplies 207 53

Trucks and horses 3,398 88

24,070 37

36,871 75

UPTON STREET

Personal service:

Employees \$2,684 33

Service other than personal, material, etc.:

Asphalt \$514 93

Binder 295 41

Crushed stone 767 91

Fuel 70 55

Truck hire 112 50

1,761 30

4,445 63

WALKER STREET

Personal service:

Employees \$675 43

Service other than personal, material, etc.:

Asphalt \$119 19

Binder 1,630 15

Crushed stone 390 37

Fuel 140 16

Road oil 617 40

2,897 27

3,572 70

WARREN STREET

Personal service

Employees \$3,503 98

Service other than personal, material, etc.:

Cement \$690 13

Mixer parts and repairs 529 68

Recutting blocks 1,459 69

Sand and gravel 859 71

Tools and miscellaneous supplies 188 01

Trucks and horses 1,729 00

5,456 22

8,960 20

Amount carried forward \$8,430,031 12

Highways and Bridges — *Continued*

Amount brought forward \$8,430,031 12

WESTERN AVENUE

Personal service:			
Employees		\$8,215 80	
Service other than personal, material, etc			
Cement	\$497 94		
Lighting	75 07		
Mixer parts	14 01		
Rental of compressor	100 65		
Sand and gravel	168 56		
Splitting, etc., granite blocks	411 60		
Tools and miscellaneous supplies	185 71		
		<u>1,453 54</u>	
			<u>9,669 34</u>

WHITTEMORE STREET

Personal service:			
Employees		\$2,082 24	
Service other than personal, material, etc.:			
Bitulithic	\$4,369 18		
Edgestone	121 64		
Fuel	21 56		
Lighting	134 35		
Tools and miscellaneous supplies	6 57		
Trucks and horses	250 0		
		<u>4,903 30</u>	
			<u>6,985 54</u>

WILLARD STREET

Personal service:			
Employees		\$611 73	
Service other than personal, material, etc.:			
Binder	\$1,768 36		
Crushed stone	986 20		
Fuel	112 70		
Road oil	205 80		
Roller parts	19 60		
		<u>3,092 66</u>	
			<u>3,704 39</u>

WILLIAMS STREET

Personal service:			
Employees		\$2,444 43	
Service other than personal, material, etc.:			
Bitulithic	\$4,535 83		
Bricks	34 30		
Fuel	165 33		
Tools and miscellaneous supplies	5 14		
Trucks and horses	402 00		
		<u>5,142 60</u>	
			<u>7,587 03</u>
<i>Amount carried forward</i>			<u>\$8,457,977 42</u>

Highways and Bridges — *Concluded*

Amount brought forward \$8,457,977 42

THIRD STREET BRIDGE

Service other than personal, material, etc.:

Electrical	\$414 80
Lubricator	88 36
Repairs	2,868 00
Tools and miscellaneous supplies	218 12

3,589 28

TEN-YEAR BALANCES

Service other than personal, material, etc.:

Rental of steam shovel	1,536 12
----------------------------------	----------

PROSPECT STREET WIDENING

Appraisal of buildings	2,858 25
----------------------------------	----------

COTTAGE FARM BRIDGE

Proportionate cost assessed in Cambridge	360,976 62
--	------------

NORTHERN TRAFFIC ROUTE

Proportionate cost assessed in Cambridge	500,000 00
--	------------

BUILDING CONSTRUCTION

HOME FOR THE AGED AND INFIRM

Architect's services	\$5,736 69
Beds, cots, cribs, tables	3,096 00
Blankets	2,152 00
Cartage and freight	17 02
Construction	32,092 57
Electrical	3,879 66
Engineer's services	295 85
Kitchen equipment	1,137 05
Laundry equipment	1,131 00
Mechanical refrigeration	127 40
Metal furniture	192 75
Plumbing, heating and ventilating	13,901 50
Sterilizers	106 24
Tablet	387 10
Textiles	49 97
Tools and miscellaneous supplies	583 69
Waterproofing	120 00
Window shades	156 65
Wood and willow furniture	671 80

65,834 94

MUNICIPAL HOSPITAL — NEW WING AND NURSES HOME

Advertising	\$19 48
Architect's services	11,729 69
Engineer's services	1,336 70

13,085 87

Amount carried forward \$9,405,858 50

New Building Construction — *Concluded*

Amount brought forward \$9,405,858 50

NEW STREET GARAGE

Labor as per payroll	\$1,649 41	
Architect's services	719 43	
Construction	14,804 68	
Plumbing	381 71	
Tools and miscellaneous supplies	555 13	
Use of horses and trucks	500 00	
	<hr/>	18,610 36

ABRAHAM LINCOLN SCHOOL

Advertising	\$72 22	
Architect's services	5,703 88	
Construction	6,316 35	
Engineer's services	838 50	
Land damage	37,299 95	
Printing	49	
Waterproofing	183 75	
Tools and miscellaneous supplies	149 82	
	<hr/>	50,564 96

HENRY W. LONGFELLOW SCHOOL

Advertising	\$106 39	
Architect's services	6,500 00	
Making test borings	105 84	
Printing	49	
	<hr/>	6,712 72

ROBERTS SCHOOL

Labor as per payroll	\$1,650 00	
Advertising	114 22	
Architect's services	17,524 73	
Blueprints	669 44	
Chairs, benches, tables, desks	21,939 63	
Construction	396,309 48	
Engineer's services	2,271 97	
Folding partitions	5,497 80	
General electric refrigerator	426 30	
Gymnasium apparatus	4,900 00	
Labor	94 20	
Lockers	2,116 50	
Making and erecting bronze tablet	249 90	
Moving picture projecture, etc.	2,369 72	
Pianos	2,299 45	
Plumbing	163 75	
Ranges	307 03	
Tools and miscellaneous supplies	2,393 81	
Waterproofing	823 20	
Window shades	940 80	
	<hr/>	463,061 93

PLAYGROUND CONSTRUCTION

LAND ADJOINING FLETCHER SCHOOL

Land damage	18,950 00	
<i>Amount carried forward</i>	<hr/>	\$9,963,758 47

Amount brought forward \$9,963,758 47

TRUST FUNDS

Paid to treasurer cemetery perpetual care and deeds in trust 8,652 65

MATURED FUNDED CITY LOANS

Improved sewer	\$42,000 00	
Schoolhouse	92,000 00	
Street	13,000 00	
Water	10,000 00	
Accounts payable — schoolhouse loan due December 1, 1928	1,000 00	
	<hr/>	158,000 00

SMITH HUGHES FUND

Paid from amount received from Commonwealth 2,545 94

TEMPORARY REVENUE LOANS

Temporary loans 3,500,000 00

STATE, COUNTY AND METROPOLITAN TAXES

State tax	\$223,805 00	
Charles River Basin	19,024 81	
Metropolitan parks loan	118,250 59	
Metropolitan Planning Division	1,593 58	
Wellington bridge	207 48	
Metropolitan sewerage loan	150,877 16	
Fire prevention	1,696 57	
Southern traffic artery	1,200 57	
Abatement smoke nuisance	588 00	
Northern traffic route	12,604 00	
Alewife Brook special	3,457 88	
Sewer North Special	1,156 00	
Charles River bridge	25,856 11	
County tax	254,655 54	
National bank tax	46 58	
Corporation tax	15,553 28	
Trust Company tax	127 14	
	<hr/>	830,700 29

AGENCY

Metropolitan District Commission Northern Artery assessments	\$1,075 00	
Interest — Northern Artery assessments	7 20	
City clerk — hunting and fishing licenses	1,537 50	
City clerk — dog licenses to county	3,732 20	
	<hr/>	6,351 90

REFUNDS

Taxes:		
Levy 1929	\$2,984 47	
Levy 1928	1,881 48	
Levy 1927	27 28	
Levy 1926	79 92	
Levy 1924	2 00	
Levy 1923	5 00	
Levy 1920	78 25	
Levy 1919	2 00	
Levy 1918	2 00	
	<hr/>	5,062 40

Amount carried forward \$14,475,071 65

Amount carried forward \$14,475,071 65

REFUNDS — *Concluded*

Motor vehicle excise tax:		
Motor excise tax of 1929		2,710 04
Assessments:		
Sewer assessment of 1929		153 99
Departmental accounts receivable:		
Building department	\$3 00	
Hospital bill	1,029 00	
		<hr/> 1,032 00
Miscellaneous:		
Interest on taxes	\$21 33	
Costs on taxes	20 45	
		<hr/> 41 78

TAX LIENS

Tax titles taken by city	34,469 90
------------------------------------	-----------

PREMIUM ACCOUNT

Amount paid for certifying and preparing bonds	8,861 13
--	----------

TREMONT TRUST COMPANY LOSS

Loss due to closing of Tremont Trust Company	127,892 06
--	------------

REFUNDS TO DEPARTMENTAL APPROPRIATION ACCOUNTS

To departmental appropriations:		
Interest, general debt	\$35 00	
Interest, water debt	280 00	
School Department	666 17	
Electrical Department	203 97	
Soldiers Benefits Department	1,573 50	
Police Department	80 63	
Park Department: maintenance	525 95	
Park Department; recreation	36 75	
Park Department; forestry	150 99	
Street Department	1,699 00	
Water Department, pumping	171 41	
Water Department, maintenance	51 65	
Law Department	475 67	
Municipal Pensions Department	109 75	
Public Welfare Department, City Infirmary	61 88	
Public Welfare Department, outside aid	2,791 66	
Executive Department	887 33	
Municipal Building Department	38 00	
Engineering Department	16 50	
Sewer Maintenance Department	16 50	
Health Department, Tuberculosis Hospital	36 40	
City Council Department	214 52	
Municipal Hospital Department	23 52	
Postage and stationery account	146 19	
Sewer Department, construction	3,460 46	
		<hr/> \$13,753 40
Total		\$14,663,985 95
Book balance March 31, 1930		887,383 84
Grand total		<hr/> \$15,551,369 79

Debt authorized during the year:

	<i>Rate Per Cent</i>	<i>Amount</i>
Street Construction Loans, inside, General Laws, Chapter 44, Section 7 (5), matures 1930-39	4½	\$350,500 00
Street Construction Loans, inside, General Laws, Chapter 44, Section 7 (6), matures 1930-34	4½	48,500 00
Main Street and Broadway Widening Loan, outside, Acts 1929, Chapter 74, matures 1930-39	4½	135,000 00
Northern Traffic Route Loan, outside, Acts 1924, Chapter 489, matures 1930-39	4½	500,000 00
Charles River (Cottage Farm) Bridge Loan, outside, Acts 1921, Chapter 497, matures 1930-49	4½	360,000 00
City Hospital Construction and Equipment Loan, outside, Acts 1929, Chapter 73, matures 1930-44	4½	500,000 00
School Construction and Equipment Loans: \$225,000 00 outside 75,000 00 inside	4½	300,000 00
Roberts School, \$25,000 00 Lincoln School, 275,000 00 Acts 1928, Chapter 314, matures 1930-44		
Sewer, Separate System Loan, outside, General Laws, Chapter 92, Section 9, matures 1931-60	4¼	97,000 00
Additional Departmental Equipment Loan, inside, General Laws, Chapter 44, Section 7 (9), matures 1930-34	4½	25,000 00
Emergency Loan, outside, General Laws, Chapter 44, Section 8 (9), matures 1931	4.16	190,000 00
		<hr/> \$2,506,000 00

Debt matured during the year:

Provided for by Sinking Fund	\$147,000 00
Provided for by Tax Levy	671,000 00
	<hr/> \$9818,000 00

Net Debt, March 31, 1930

	Outstanding	Sinking Funds	Net
General Debt, Inside	\$7,137,300 00	\$483,408 83	\$3,915,791 17
General Debt, Outside	4,399,200 00	2,378,917 62	4,758,382 38
	<hr/> \$11,536,500 00	<hr/> \$2,862,326 45	<hr/> \$8,674,173 55
Water Debt	\$855,000 00	\$397,500 00	\$457,500 00
Water Sinking Fund Surplus		6,817 61	

BORROWING CAPACITY

MARCH 31, 1930

	Total	Abatements	Net
1927 valuation	\$183,551,600 00	\$2,702,067 00	\$180,849,533 00
1928 valuation	188,639,700 00	1,880,500 00	186,759,200 00
1929 valuation	189,090,000 00	1,880,600 00	187,209,400 00
Motor vehicle valuation, 1929 . . .	9,151,507 00	964,100 00	8,187,407 00
			<hr/>
Average net valuation			\$563,005,540 00
2½ per cent			187,668,513 33
Total debt, March 31, 1930		11,536,500 00	4,691,712 83
Loans exempt:			
Cambridge bridge:			
Acts 1928, Ch. 467	1,398,000 00		
Brookline Bridge approach:			
Acts 1928, Ch. 361-467	25,000 00		
Commercial Avenue Bridge:			
Acts 1903, Ch. 372	50,000 00		
Cambridge Bridge special:			
Acts 1903, Ch. 158	28,000 00		
Park:			
Acts 1892, Ch. 341 }	1,142,000 00		
Acts 1893, Ch. 377 }			
Acts 1894, Ch. 89 }			
Acts 1897, Ch. 469 }			
Acts 1899, Ch. 221 }			
Acts 1912, Ch. 578 }			
Sewer:			
Acts 1899, Ch. 189-473	1,326,500 00		
Acts 1903, Ch. 383			
Acts 1923, Ch. 383			
General Laws, Ch. 92, Sec. 9 }			
Hospital:			
Acts 1895, Ch. 99	124,000 00		
City hospital:			
Acts 1911, Ch. 545 }	612,000 00		
Acts 1919, Ch. 103 }			
Acts 1929, Ch. 73 }			
Metropolitan Park Assessment:			
Acts 1908, Ch. 467	46,000 00		
Harvard Bridge:			
Acts 1924, Ch. 442	52,000 00		
River Street Bridge:			
Acts 1921, Ch. 407	99,000 00		
Western Avenue Bridge:			
Acts 1921, Ch. 497	90,000 00		
Main Street and Broadway			
widening:			
Acts 1926, Ch. 139 }	367,000 00		
Acts 1929, Ch. 74 }			
Playgrounds:			
R. L., Ch. 27, Sec. 11	146,800 00		
School:			
Acts 1928, Ch. 314	581,000 00		
Cottage Farm Bridge:			
Acts 1921, Ch. 489	360,000 00		
Amount carried forward	<hr/> \$6,447,300 00	<hr/> \$11,536,500 00	<hr/> \$4,691,712 83

Appropriation Accounts

Account	Balance April 1, 1929		Budget Appropriation	Additional Appropriation	Transfers		Total Appropriation Available	Cash		Service Transfers		Actual Expenditures	Balance Forward to 1930-1931		Transferred to Water Surplus
	Dr.	Cr.			Dr.	Cr.		Dr.	Cr.	Dr.	Cr.		Dr.	Cr.	
City Council	A		\$7,000 00		\$51 01	\$1,350 89	\$7,000 00	\$7,000 00		\$214 62	\$30 00	\$7,000 00			
	B		4,500 00		52 21	1,749 33	2,947 12	2,947 12			28 00	5,801 88			
	C		1,250 00		30 40		10 00	10 00				19 60			
	D		50 00									8,200 00			
Clerk of Committees	A		\$2,120 00		6 36	78 00	8,290 00	8,290 00			24 00	8,344 00			
	B		85 00				93 64	29 01				85 09			
	C		120 00		3 37		118 63	85 09				17,653 51			
Executive	A		17,850 00		771 81	575 32	17,053 51	18,510 81	887 33	106 51	502 79	1,622 39			
	B		540 00	\$100 00	109 13	6 51	906 38	480 87				1,022 39			
	C		825 00		2 00		790 39	1,022 39				170 17			
Inaugural Expenses	A		800 00			300 00	175 17	670 50				670 50			
	B		12,736 00			425 00	13,101 00	13,101 00				13,101 00			
Auditing	A		350 00		321 08		28 02	8 02		20 00		1,203 03			
	B		1,200 00			3 93	1,203 93	1,203 93				2,302 58			
	C		2,550 00		187 42		2,302 58	2,318 08		13 00		3,082 00			
Treasury	A-1		30,370 00		78 00	390 00	30,882 00	30,882 00				3,333 50			
	A-2		3,000 00		50 00	335 00	3,333 50	3,333 50				8,832 14			
	A-3		5,890 00		907 80	2,600 00	6,822 14	6,822 14				9,009 94			
	B		8,870 00		508 00	1,038 54	9,309 94	9,309 94				382 20			
	C		500 00		117 80		382 20	382 20				2,339 11			
Administration of Sinking Funds	A		3,030 00		719 80	8 80	2,339 11	2,339 11		6 93		600 00			
	B		900 00				900 00	900 00				40 00			
	C		50 00		10 00		40 00	40 00				20,070 00			
Assessing	A-1		24,836 00			234 00	25,070 00	25,070 00				3,000 00			
	A-2		4,630 00		1,150 00		3,500 00	3,500 00				2,080 33			
	A-3		1,700 00		80 33	400 00	2,080 33	2,080 33		00 31		2,937 27			
	B		300 00		202 73	300 00	307 27	307 27				1,510 99			
	C		1,550 00		33 01		1,510 99	1,503 09		13 40		7,081 00			
License Commission	A		8,802 02			180 00	7,081 00	7,081 00				73 08			
	B		200 00		126 32		73 08	53 68		20 00		405 63			
	C		550 00		114 87		405 63	405 63				18,814 00			
City Clerk	A-1		10,002 00			312 00	10,514 00	10,514 00				644 00			
	A-2		400 00			144 00	544 00	544 00				1,140 37			
	A-3		1,557 00		410 83		1,146 37	920 37		220 00		90 40			
	B		125 00		34 60		90 40	90 40				708 11			
	C		700 00		21 00	08 30	751 11	751 11		16 16		5,124 00			
City Messenger	A		5,121 00				5,121 00	5,121 00				44 00			
	B		113 00		08 50		41 50	39 50		8 00		185 33			
	C		150 00		30 33		185 33	101 74		23 50		9,073 00			
Law	A		9,012 00		17 00	78 00	9,073 00	9,073 00				4,631 70			
	B		4,275 00		210 40	407 19	4,931 70	4,970 37	475 67	37 00		90 45			
	C		100 00		3 55		90 45	90 45				630 07			
Election Commission	A-1		10,992 00		17 20	122 27	10,990 87	10,990 87		30 70		10,950 87			
	A-2		12,052 00		113 18	75 00	10,967 34	10,967 34				10,967 34			
	A-3		12,270 00			3,013 34	13,602 93	13,602 93		202 32		13,652 93			
	B		150 00			150 00	1,838 84	1,838 84				23,204 50			
Engineering	A		23,387 00		101 50	30 00	23,294 50	23,294 50	16 50			1,192 74			
	B		1,000 00		7 20	200 00	1,192 74	1,192 74				418 00			
	C		525 00		100 31		418 00	418 00		15 70		87 20			
Inspection of Buildings	A		425 00		4 10	07 00	517 84	480 64				22,447 10			
	B		22,402 00		32 00	78 00	22,447 10	22,447 10				1,133 92			
	C		1,350 00		143 04	4 00	1,190 08	1,191 70		55 30		37,071 50			
Municipal Buildings	A		37,088 00		610 41		37,071 59	37,100 50	38 00	08 93		480 08			
	B		7,005 00		647 57		7,238 08	7,021 07				6,882 01			
	C		900 00		460 02		480 98	480 08				11,207 31			\$1,234 74
Civil Service Registration	D		10,000 00		87 82	970 43	12,002 05	11,207 31				800 00			
	E		800 00		12,001 37	11,003 42	12,002 05	11,207 31				38 71			
Police	A		950,000 00		1,093 00	13 71	504,036 10	554,807 09				554,807 09			08 41
	B		8,870 00	230 00	477 20		9,061 08	9,061 08	64 75			14,591 20			
	C		18,104 00		900 41	2,087 70	14,591 20	14,007 17	10 88			7,552 55			
Fire	A		1,545 00		32 99	3,040 50	7,552 55	7,552 55				448,400 05			
	B		47,850 00		35 00	050 00	448,400 05	448,400 05				4,402 20			
	C		4,000 00		807 24	350 00	4,402 20	4,402 20		12 50		11,251 00			
Electrical	A-1		12,100 00		848 94		11,251 00	11,251 00				14,303 40			
	A-2		14,870 00		514 10	2 50	14,303 40	14,303 40				60,475 34			
	A-3		62,030 00		1,786 51	78 00	60,475 34	60,475 34	130 45	\$11 00		4,158 07			
	B		2,000 00		2,401 81		4,158 07	4,158 07				2,602 55			
	C		2,200 00		300 05		2,002 55	1,009 55		3 00		2,751 29			
	D		4,210 00		1,617 47	128 70	2,751 29	2,751 29				2,603 94			
Traffic Signals	A		3,475 00		781 30		2,693 64	2,724 39		45 00	14 28	16,828 05			
Forcetry	A		10,000 00		10,000 00		10,000 00	10,000 00				814 51			
	B		24,500 00		4,671 05		10,228 00	10,979 04		160 99		314 51			
	C		204 00		36 60		314 51	314 51				2,864 20			
Sealer	A		2,725 00		104 42		2,604 20	2,604 20				10,080 00			
	B		10,080 00				10,080 00	10,080 00				308 88			4 82
	C		925 00		307 01		507 09	549 82				549 82			18 17
Game Warden	A		50 00				50 00	50 00				2,221 28			
Military (Rifle Range)	A		2,000 00				2,221 28	2,221 28				2,000 00			
Pole and Conduit Commission	A		100 00		26 23		73 77	42 87		30 90		73 77			0 00
Health, General	A		75,200 00		584 24	78 00	77,702 70	77,702 70				31,124 08			
	B		12,057 00	17,409 83	785 00		31,124 08	30,975 93		148 65		2,883 95			
	C		7,275 00		79 05	88 00	2,883 95	2,883 95		69 10		31,179 68			
Tuberculosis Hospital	A		30,514 00		14 32		31,179 68	31,179 68				1,555 08			
	B		2,565 00		1,009 92		1,555 08	1,555 08				2,075 11			
	C		4,700 00		24 89		2,075 11	2,075 11				34,904 43			
Laboratory	A		25,175 00	8,900 00	124 12	053 55	34,904 43	34,903 83	86 40	7 00		5,835 00			
	B		5,940 00		105 00		5,835 00	5,835 00				223 00			
	C		240 00		13 40		215 94	215 94		10 76		602 72			
Dental Clinics	A		15,152 00		88 43	6 15	15,203 00	15,203 00				1,004 10			
	B		1,100 00		5 96	01 00	1,004 10	1,004 10				2,000 00			
Inspection of Animals	A		2,000 00				2,000 00	2,000 00				450 00			
	B		450 00				450 00	450 00				140 09			
Sewer Maintenance	A-1		20,000 00		203 91		146 09	140 09		18 25		33,014 05			
	A-2		14,000 00		7,004 40	7,014 05	33,014 05	33,014 05	16 50			6,905 60			
	A-3		2,245 00		536 21	201 62	1,909 81	1,904 81		5 00		1,909 81			
	B		4,840 00		106 43	470 00	5,203 57	5,203 57				5,203 57			
	C		3,900 00		560 89		3,977 23	3,948 78		28 45	120 13	1,543 01			
	D		1,050 00		100 20	03 81	1,053 74	1,053 74				12 85			
Suppression of Mosquitoes	A		300,000 00		34 80		12 85	12 85				165 20			
Street, Sanitary	A		3,816 72		20,000 00		316,183 28	316,183 28				316,183 28			
	B		6,350 00		057 11	131 50	5,621 30	5,621 30				3,021 39			
	C		17,730 00		181 40	14,448 00	32,016 51	32,016 51				18,			

Borrowing Capacity — *Concluded*

<i>Amount brought forward</i>	\$6,447,300 00	\$11,536,500 00	\$4,691,712 83
Northern traffic route:			
Acts 1924, Ch. 489	500,000 00		
Emergency loan, General Laws, Ch. 44, Sec. 8 (9)	190,000 00		
		<u>7,137,300 00</u>	
Total debt inside statutory limit		\$4,399,200 00	
Total sinking funds	\$2,862,326 45		
Less exempted loans:			
Cambridge Bridge . . .	\$723,049 02		
Brookline Bridge, approach	11,849 23		
Commercial Ave. Bridge	23,711 06		
Park	826,081 60		
Imp. system sewers . .	357,000 00		
Sep. system sewers . .	185,257 47		
Hospital	124,000 00		
Met. Park assessment	46,000 00		
Cam. Bridge, special.	25,015 51		
Playgrounds	56,953 73		
	<u>2,378,917 62</u>		
Sinking Funds, general loans, inside		<u>483,408 83</u>	
Net debt, inside, March 31, 1930			<u>3,915,791 17</u>
Borrowing capacity, March 31, 1930			\$775,921 66

TRUST FUNDS

HOPKINS SCHOOL FUND

Edward Hopkins died in London, England, in 1657 or 1658, leaving £500 to be used, upon the death of his widow, to aid a college and school in New England. The Court of Chancery gave it to Harvard College and a school in Cambridge. One-fourth of the net income is paid annually to the city of Cambridge to be expended for classical instruction in the Latin School. The trustees are a corporation established in Boston.

WEBSTER THIERRY SCHOOL FUND

A donation in the amount of \$300 by Mrs. Louis J. Thierry in memory of her son, Webster Thierry, who died while a student at Latin School. The income to be expended for a prize, to be known as the Webster Thierry prize, to the boy in the graduating class who has been outstanding, especially in his interest in debating and related work.

WILLIAM PENN HARDING FUND

A bequest to the city of Cambridge under the will of William Penn Harding in the amount of \$1,000, the income to be expended by the Trustees of the Public Library for the purchase of recent books on science, art or travel of a popular and instructive character. To be designated the William Penn Harding Fund, which designation shall be printed in all the books so purchased.

JOHN WESLEY FREESE FUND

This is a fund in the amount of \$89.36 bequeathed by the late John Wesley Freese in November, 1914. The fund is to accumulate for twenty years, after which time a sum not in excess of three-fourths of the annual income is to be expended for books, or works of art for the Houghton School.

SARAH E. RUSSELL FUND

A bequest to the city of Cambridge, under the will of Sarah E. Russell, in the amount of \$814.41, the income to be expended annually in, or towards, providing a Christmas tree, or Christmas gifts and entertainments for the inmates of the city infirmary. Mrs. Russell was the widow of Hon. Charles Theodore Russell and the mother of Hon. William Eustis Russell, each of whom served the city as mayor, and the grandmother of Hon. Richard Manning Russell, the present mayor.

BRIDGE CHARITABLE FUND

Founded by the late Levi Bridge of Cambridge, in his lifetime, by a deed of trust dated August 12, 1875, and upon his death, April 15, 1876, the fund came under the control of the city. In October, 1877, Samuel F. Bridge, a relative of the founder, donated a sum sufficient to double the original fund. One-third of the annual income is added to the principal, the remainder expended by the Board of Public Welfare.

CEMETERY PERPETUAL CARE FUND

Held in trust by the City, comprising amounts received from proprietors of lots in Cambridge Cemetery for perpetual care of the respective lots.

All of the above funds are in the custody of the city treasurer.

Trust Funds — Continued

The following funds are in the custody of the Trustees of the Public Library.

CITIZENS' SUBSCRIPTION FUND

In 1899 a committee of citizens raised, by subscription, a fund for the purchase of books at the time the new Public Library building was opened. The unexpended balance, \$5,500 was invested and the income is used for the same purpose.

CUMMINGS FUND

A bequest under the will of Daniel P. Cummings, who died May 3, 1889, in the amount of \$2,000, the income to be expended for non-sectarian books for the Public Library.

FAY FUND

A bequest under the will of Isaac Fay, who died December 20, 1872, in the amount of \$1,000 to the Dana Library, now the Cambridge Public Library, the income to be expended for books for said library.

WILLIAM E. SAUNDERS FUND

Bequest under the will of Abigail L. Prentiss: the residuary estate, after the termination of certain annuities, was paid to the Trustees of the Public Library to be invested, the income to be expended for the purchase and care of books to be placed in the William E. Saunders Alcove.

JAMES A. WOOLSON FUND

Bequest under the will of James A. Woolson in the amount of \$5,000, the income to be expended for the purchase of books, an appropriate bookplate to be placed in each book.

CITIZEN OF CAMBRIDGE FUND

Principal of fund, \$7,400. Donated by a citizen of Cambridge, \$3,000 in 1923, \$2,000 in 1924 and \$2,400 in 1926. The income on \$1,000 to be expended for the purchase of books on Art, the income on the balance to be expended for the work of Americanization and the purchase of books for the library.

CONDITION OF THE TRUST FUNDS

March 30, 1930

HOPKINS SCHOOL FUND INCOME

In Custody of Treasurer

	<i>Cash</i>	<i>Total</i>
On hand April 1, 1929.....	\$817 67	\$817 67
On hand March 31, 1930.....	1,584 68	1,584 68
<i>Receipts</i>		
From trustees of fund.....	\$1,121 33	
Income.....	38 22	
Cash on hand April 1, 1929.....	817 67	
	<hr/>	
	\$1,977 22	
<i>Payments</i>		
Expended: Prizes.....		\$287 50
Supplies.....		140 86
Cash on hand March 31, 1930.....		1,548 86
		<hr/>
		\$1,977 22

WEBSTER THIERRY SCHOOL FUND

In Custody of Treasurer

	<i>Cash</i>	<i>Savings Deposits</i>	<i>Totals</i>
On hand April 1, 1929.....	\$7 75	\$331 12	\$338 87
On hand March 31, 1930...	5 50	331 12	336 62
<i>Receipts</i>			
Income.....	\$16 75		
Cash on hand April 1, 1929.....	7 75		
	<hr/>		
	\$24 50		
<i>Payments</i>			
Expended.....			\$19 00
Cash on hand March 31, 1930.....			5 50
			<hr/>
			\$24 50

WILLIAM PENN HARDING LIBRARY FUND

In Custody of Treasurer

	<i>Savings Deposits</i>	<i>Total</i>
On hand April 1, 1929.....	\$1,000 00	\$1,000 00
On hand March 31, 1930.....	1,000 00	1,000 00
<i>Receipts</i>		
Income.....	\$50 00	
<i>Payments</i>		
Transferred to Library.....		\$50 00

JOHN WESLEY FREESE FUND

In Custody of Treasurer

	<i>Savings Deposits</i>	<i>Total</i>
On hand April 1, 1929.....	\$167 10	\$167 10
On hand March 31, 1930.....	175 56	175 56
<i>Receipts</i>		
Income.....	\$8 46	
<i>Payments</i>		
Added to Savings Deposits.....		\$8 46

SARAH E. RUSSELL FUND

In Custody of Treasurer

	<i>Savings Deposits</i>	<i>Total</i>
On hand April 1, 1929.....	\$814 41	\$814 41
On hand March 31, 1930.....	814 41	814 41
<i>Receipts</i>		
Income.....	\$41 20	
<i>Payments</i>		
Transferred to Superintendent of City Infirmary.....		\$41 20

Trust Funds — Continued

BRIDGE CHARITABLE FUND

In Custody of Treasurer

	<i>Savings Deposits</i>	<i>Total</i>
On hand April 1, 1929.....	\$3,208 34	\$3,208 34
On hand March 31, 1930.....	3,257 00	3,257 00

<i>Receipts</i>		<i>Payments</i>	
Income.....	\$145 98	Added to Savings Deposits	\$48 66
		Transferred to Public Welfare	
		Department.....	97 32
	<hr/>		<hr/>
	\$145 98		\$145 98

TAILINGS ACCOUNT

	<i>Cash</i>	<i>Total</i>
On hand April 1, 1929.....	\$574 65	\$574 65

<i>Receipts</i>		<i>Payments</i>	
Income.....	\$12 46	Transferred to General Cash	
Cash on hand April 1, 1929..	574 65	as of March 31, 1930.....	\$587 11
Not a trust fund — accumulation of interest on amount deposited which did represent tailings.			

CITIZENS SUBSCRIPTION FUND

In Custody of Library Trustees

	<i>Cash</i>	<i>Savings Deposit</i>	<i>Securities Par Value</i>	<i>Total</i>
On hand April 1, 1929.....	\$219 28	\$500 00	\$5,000 00	\$5,719 28
On hand March 31, 1930.....	109 86	500 00	5,000 00	5,609 86

<i>Receipts</i>		<i>Payments</i>	
Income.....	\$273 01	Expended.....	\$382 43
Cash on hand April 1, 1929..	219 28	Cash on hand March 31, 1930	109 86
	<hr/>		<hr/>
	\$492 29		\$492 29

CUMMINGS FUND

In Custody of Library Trustees

	<i>Cash</i>	<i>Securities Par Value</i>	<i>Total</i>
On hand April 1, 1929.....	\$48 11	\$2,000 00	\$2,048 11
On hand March 31, 1930.....	95 31	2,000 00	2,095 31

<i>Receipts</i>		<i>Payments</i>	
Income.....	\$85 00	Expended.....	\$37 80
Cash on hand April 1, 1929	48 11	Cash on hand March 31, 1930	95 31
	<hr/>		<hr/>
	\$133 11		\$133 11

Trust Funds — Continued

FAY FUND
In Custody of Library Trustees

	<i>Cash</i>	<i>Savings Deposits</i>	<i>Total</i>
On hand April 1, 1929.....	\$37 50	\$1,000 00	\$1,037 50
On hand March 31, 1930.....	57 87	1,000 00	1,057 87
<i>Receipts</i>			
Income.....	\$54 27		
Cash on hand April 1, 1929.	37 50		
<hr/>			
	\$91 77		
<i>Payments</i>			
Expended.....			\$33 90
Cash on hand March 31, 1930			57 87
<hr/>			
			\$91 77

HARDING FUND INCOME
In Custody of Library Trustees

	<i>Cash</i>	<i>Total</i>
On hand April 1, 1929.....	\$29 68	\$29 68
On hand March 31, 1930.....	46 78	46 78
<i>Receipts</i>		
Transferred from city.....	\$50 00	
Cash on hand April 1, 1929.	29 68	
<hr/>		
	\$79 68	
<i>Payments</i>		
Expended.....		\$32 90
Cash on hand March 31, 1930		46 78
<hr/>		
		\$79 68

HOWE FUND
In Custody of Library Trustees

	<i>Cash</i>	<i>Securities</i>	<i>Total</i>
On hand April 1, 1929.....	\$167 01	\$3,000 00	\$3,167 01
On hand March 31, 1930.....	78 14	3,000 00	3,078 14
<i>Receipts</i>			
Income.....	\$127 50		
Cash on hand April 1, 1929.	167 01		
<hr/>			
	\$294 51		
<i>Payments</i>			
Expended.....			\$216 37
Cash on hand March 31, 1930			78 14
<hr/>			
			\$294 51

MURDOCK FUND
In Custody of Library Trustees

	<i>Cash</i>	<i>Savings Deposits</i>	<i>Total</i>
On hand April 1, 1929.....	\$80 98	\$2,000 00	\$2,080 98
On hand March 31, 1930.....	189 51	2,000 00	2,189 51
<i>Receipts</i>			
Income.....	\$108 53		
Cash on hand April 1, 1929..	80 98		
<hr/>			
	\$189 51		
<i>Payments</i>			
Cash on hand March 31, 1930			\$189 51
<hr/>			
			\$189 51

WILLIAM E. SAUNDERS FUND
In Custody of Library Trustees

	<i>Cash</i>	<i>Savings Deposits</i>	<i>Securities Par Value</i>	<i>Total</i>
On hand April 1, 1929.....	\$46 54	\$1,016 92	\$7,000 00	\$8,063 46
On hand March 31, 1930.....	149 51	1,068 37	7,000 00	8,217 88
<i>Receipts</i>				
Income.....	\$348 95			
Cash on hand April 1, 1929	46 54			
<hr/>				
	\$395 49			
<i>Payments</i>				
Added to Savings Deposits				\$51 45
Expended.....				194 53
Cash on hand March 31, 1930				149 51
<hr/>				
				\$395 49

Trust Funds — *Continued*

EDWARD H. WHORF FUND

In Custody of Library Trustees

	<i>Cash</i>	<i>Savings Deposits</i>	<i>Securities Par Value</i>	<i>Total</i>
On hand April 1, 1929.....	\$27 94		\$3,000 00	\$3,027 94
On hand March 31, 1930.....	105 91	\$68 75	3,000 00	3,174 66

<i>Receipts</i>		<i>Payments</i>	
Securities sold par value. . .	\$3,000 00	Securities purchased par value	\$3,000 00
Premium securities sold. . .	68 75	Deposited in Savings Bank. .	68 75
Income.	136 42	Expended.	58 45
Cash on hand April 1, 1929	27 94	Cash on hand March 31, 1930	105 91
	<hr/>		<hr/>
	\$3,233 11		\$3,233 11

MEHITABLE C. C. WILSON FUND

In Custody of Library Trustees

	<i>Savings Deposits</i>	<i>Total</i>
On hand April 1, 1929.....	\$1,054 98	\$1,054 98
On hand March 31, 1930.....	1,102 96	1,102 96

<i>Receipts</i>		<i>Payments</i>	
Income.	\$47 98	Added to Savings Deposit. .	\$47 98

JAMES A. WOOLSON FUND

In Custody of Library Trustees

	<i>Cash</i>	<i>Securities Par Value</i>	<i>Total</i>
On hand April 1, 1929.....	\$85 16	\$5,000 00	\$5,085 16
On hand March 31, 1930.....	209 95	5,000 00	5,209 95

<i>Receipts</i>		<i>Payments</i>	
Income.	\$212 50	Expended.	\$87 71
Cash on hand April 1, 1929	85 16	Cash on hand March 31, 1930	209 95
	<hr/>		<hr/>
	\$297 66		\$297 66

CITIZEN OF CAMBRIDGE FUND

In Custody of Library Trustees

	<i>Cash</i>	<i>Savings Deposit</i>	<i>Securities Par Value</i>	<i>Total</i>
On hand April 1, 1929.....	\$924 34	\$4,400 00	\$3,000 00	\$8,324 34
On hand March 31, 1930.....	1,249 84	4,400 00	3,000 00	8,649 84

<i>Receipts</i>		<i>Payments</i>	
Income.	\$325 50	Cash on hand March 31, 1930	\$1,249 84
Cash on hand April 1, 1929	924 34		
	<hr/>		<hr/>
	\$1,249 84		\$1,249 84

Trust Funds — *Concluded*

CEMETERY PERPETUAL CARE FUNDS

In Custody of Treasurer

	<i>Cash</i>	<i>Securities Par Value</i>	<i>Total</i>
On hand April 1, 1929.....	\$1,657 29	\$198,200 00	\$199,857 29
On hand March 31, 1930.....		209,700 00	209,700 00

<i>Receipts</i>		<i>Payments</i>	
Discount, securities purchased.....	\$1,089 89	Securities purchased par value.....	\$11,500 00
Income.....	7,529 44	Accrued interest, securities purchased.....	129 44
Bequests.....	8,642 65	Salary of clerk.....	300 00
Deeds in Trust.....	10 00	Transferred to city.....	6,999 83
Cash on hand April 1, 1929	1,657 29		
	<hr/> \$18,929 27		<hr/> \$18,929 27

MUNICIPAL LOANS SINKING FUND

	<i>Cash</i>	<i>Securities Par Value</i>	<i>Total</i>
On hand April 1, 1929.....	\$38,945 51	\$2,789,600 00	\$2,828,545 51
On hand March 31, 1930.....	67,026 45	2,795,300 00	2,862,326 45

<i>Receipts</i>		<i>Payments</i>	
Securities matured or sold, par value.....	\$400,300 00	Securities purchased, par value.....	\$406,000 00
Discount, securities purchased.....	4,149 00	Discount securities sold..	1,781 25
Accrued interest, securities purchased...	2,750 70	Premium, securities purchased.....	6,478 77
Income.....	118,311 88	Accrued interest, securities purchased....	2,890 87
City appropriation.....	68,720 25	To city for retirement of debt.....	149,000 00
Cash on hand April 1, 1929.....	38,945 51	Cash on hand. March 31, 1930.....	67,026 45
	<hr/> \$633,177 34		<hr/> \$633,177 34

WATER LOANS SINKING FUND

	<i>Cash</i>	<i>Securities Par Value</i>	<i>Total</i>
On hand April 1, 1929.....	\$12,143 62	\$386,000 00	\$398,143 62
On hand March 31, 1930.....	20,817 61	383,500 00	404,317 61

<i>Receipts</i>		<i>Payments</i>	
Securities matured or sold par value.....	\$3,500 00	Securities purchased par value.....	\$1,000 00
Discount securities purchased.....	16 70	Accrued interest securities purchased.....	3 11
Income.....	16,160 40	To city on account retirement of debt.....	10,000 00
Cash on hand April 1, 1929	12,143 62	Cash on hand March 31, 1930	20,817 61
	<hr/> \$31,820 72		<hr/> \$31,820 72

BALANCE SHEET

March 31, 1930

REVENUE ACCOUNTS

[illegible]

BALANCE SHEET — Continued

		<i>Liabilities</i>	
<i>Assets</i>			
Water:		Water Surplus.....	
Annual Rates			\$182,378 89
Metered Rates			
Miscellaneous.....			
Taxes and Assessments Variations...		34,733 37	
Loss, Tremont Trust Company.....		225 94	
Overlay Deficits:		127,892 06	
Levy 1926.....			
Levy 1927.....			
Levy 1928.....			
Levy 1929.....			
Excess and Deficiency		26,426 13	
		204,314 33	
		<u>\$1,809,505 91</u>	<u>\$1,809,505 91</u>
		NON-REVENUE ACCOUNTS	
Cash.....			
Non-Revenue Cash Used for Revenue			
Purposes			
		\$887,383 84	Appropriation Balances.....
		174,847 60	
		\$15,678 37	
Overdrawn Accounts:			
Departmental Equipment:			
Street Sanitary, Special			
Street Construction:			
Hawthorne Park.....		3,417 92	
Munroe Street Extension.....		45,486 53	
Oak Circle.....		1,816 85	
Schoolhouse Construction:			
Henry W. Longfellow School....		6,712 72	
		73,112 39	
		<u>\$1,135,343 83</u>	<u>\$1,135,343 83</u>

BALANCE SHEET — Continued

DEBT ACCOUNTS

Assets

Commissioners of Sinking Funds, Outside Debt Limit
Net Funded Debt, Outside Debt Limit

\$2,378,917 62
4,758,382 38

Sinking Fund, Outside:

Improved Sewer System Loans \$357,000 00
Separate Sewer System Loans 267,000 00
Cambridge Bridge Loan 1,366,000 00
Commercial Avenue Bridge Loan . . . 78,000 00
Brookline Bridge Approach, Loan . . 25,000 00
Hospital Loans 124,000 00
Park Loan 1,100,000 00
Land for Playground Loan 95,000 00
Metropolitan Park Assessment Loan . 46,000 00

\$7,137,300 00

Liabilities

Serial, Outside:

Separate Sewer System Loans 702,500 00
Street Loans 867,000 00
Bridge Loans 633,000 00
Hospital Loans 612,000 00
Park Loans 42,000 00
Land for Playgrounds Loans 51,800 00
School Loans 581,000 00
Emergency Loan, Outside 190,000 00

\$7,137,300 00

Commissioners of Sinking Funds, Inside Debt Limit
Net Funded Debt, Inside Debt Limit

\$483,408 83
3,915,791 17

Sinking Funds, Inside:

General Sewers Loans \$233,000 00
Street Loans 118,450 00
School Loans 132,500 00
Serial, Inside:
Building Loans 804,000 00
General Sewers Loans 234,500 00
Bridge Loans 141,000 00
Street Loans 2,016,000 00
School Loans 518,750 00
Departmental Equipment Loans . . 176,000 00

4,399,200 00

Demand Note, Daniel White Charity Fund Trustees	5,000 00	
Contract, Dowse Institute Fund Trustees	10,000 00	
Sanders Temperance Fund (principal used by City)	10,000 00	4,399,200 00
Water Loans, Sinking Fund	\$397,500 00	
Sinking Funds, Water Loans, Surplus	6,817 61	
Water Loans, Serials	457,500 00	861,817 61
		<u>\$12,398,317 61</u>

Commissioners of Water Sinking Funds	\$404,317 61
Net Funded Water Debt	457,500 00

TRUST ACCOUNTS

Trust Funds in Custody of Treasurer	\$216,832 45	
Bridge Charity Fund	\$3,257 00	
Hopkins School Fund income	1,548 86	
John W. Freese Fund	175 56	
William Penn Harding Library Fund	1,000 00	
Webster Thierry Fund	336 62	
Sarah E. Russell Fund	814 41	
Cemetery Trust Funds:		
Perpetual Care	\$191,862 34	
Perpetual Care, 6 Per Cent Guarantee	7,700 00	
Perpetual Care, Income	9,585 66	
Deeds in Trust	552 00	
	209,700 00	\$216,832 45

Citizens' Subscription Library Fund:	
Principal	\$5,500 00
Income	109 86
Isaac Fay Library Fund:	
Principal	1,000 00
Income	57 87

BALANCE SHEET — *Concluded*

TRUST ACCOUNTS — *Concluded*

Assets
Trust Funds in Custody of Trustees:
Library Trustees
Trustees of Daniel White Charity..
Trustees, Dowse Institute.....

\$40,432 76
10,360 00
10,000 00

Liabilities

William Penn Harding Library Fund:

Income.....

\$46 78

William E. Saunders Library Fund:

Principal.....

7,350 39

Income.....

867 49

James A. Woolson Library Fund:

Principal.....

5,000 00

Income.....

209 95

Edward H. Whorf Library Fund:

Principal.....

3,000 00

Income.....

174 66

Mehitable C. C. Wilson Library Fund:

Principal.....

1,102 96

Abigail W. Howe Library Fund:

Principal.....

3,000 00

Income.....

78 14

Maria Murdock Fund:

Principal.....

2,000 00

Income.....

189 51

Daniel P. Cummings Library Fund:

Principal.....

2,000 00

Income.....

95 31

Cambridge Citizen Library Fund:

Principal.....

7,400 00

Income.....

1,249 84

Daniel White Charity Fund.....

\$40,432 76

Dowse Institute Fund.....

10,360 00

Sanders Temperance Fund.....

10,000 00

10,000 00

\$287,625 21

\$287,625 21

Trust Fund Used by City.....

LIST OF CITY PROPERTY AS FURNISHED BY EXECUTIVE BOARDS AND HEADS OF DEPARTMENTS MARCH 31, 1930

CLERK OF COMMITTEES DEPARTMENT

4 Desks and chairs	10 Chairs
3 Steel cabinets	1 Set General Laws
1 Bookcase	Bound volumes of the records of all
1 Oak cabinet	committees since 1874
1 Letter press	Bound volumes of the <i>Cambridge</i>
1 Movable typewriter stand	<i>Chronicle</i> for thirty years
2 Typewriters	2 Bid boxes
2 Metal waste paper baskets	Miscellaneous forms and office
2 Brass cuspidors	supplies
1 Directors' table	

EXECUTIVE DEPARTMENT

2 Roll top desks with chairs	1 Studebaker sedan,
1 Flat top desk	Maker's No. 6006169
2 Typewriter desks with chairs	Engine No. 6436

LAW DEPARTMENT

1 Typewriter	\$80 00
1 Stenographer's chair	7 50
1 Desk in City Hall	10 00
3 Filing cabinets	15 00
Miscellaneous office supplies	10 00
Books	50 00
	<hr/>
	\$172 50

ELECTION COMMISSION

Voting booth, Norfolk and Hampshire Streets	\$150 00
6 Portable voting booths	1,500 00
Voting compartments and fixtures, 53 precincts	1,600 00
5 Metal filing cabinets	415 00
1 Metal cabinet	75 00
1 Safe	150 00
1 Royal typewriter	75 00
1 Remington typewriter	20 00
2 Typewriter desks	25 00
1 Roll top desk	20 00
1 Addressing machine	75 00
3 Time stamps	8 00
5 Large metal filing cases	300 00
Metal counters and 4 metal turn tables	450 00
1 Typewriter stand	20 00
2 Wood filing cases	10 00
4 Metal tables	80 00
	<hr/>
	\$4,973 00

List of City Property — *Continued*
ENGINEERING DEPARTMENT

8 Books at \$3 each	\$24 00
48 volumes Engineering papers at \$2.50	120 00
4 Logarithm books at \$2	8 00
15 Atlases	75 00
1 Pantagraph	10 00
2 Planimeters at \$20 each	40 00
2 Numbering machines at \$5	10 00
1 Burroughs adding machine	50 00
1 Typewriter	50 00
Drawing instruments, pens, compasses, etc.	25 00
Drawing materials and paper	25 00
Wye level	50 00
Locke level	5 00
Dunpy level	40 00
2 Transits at \$100 each	200 00
Level, line and sounding rods	45 00
4 Tapes at \$7.50 each	30 00
Testing pans, moulds, etc.	10 00
2 Cement testing machines	25 00
Electric motor	8 00
Furniture in office	200 00
Photograph outfit	100 00
Rain gauges, standard and self-recording	75 00
Plans (estimated value), 14,535 at \$10 each	145,350 00
496 Survey, line and level books (estimated value)	9,920 00
74 House books (estimated value) at \$10 each	740 00
Emery wheel	10 00
Post drill	10 00
1 Blueprint machine	100 00
1 Chevrolet touring car, 1928 model, Engine No. 4523604, Maker's No. TAB72606	100 00
Total	<hr/> \$157,455 00

List of City Property — *Continued*

BUILDING DEPARTMENT

1 Buick sedan, Maker's No. 2148446,
Motor No. 2269131

1 Chevrolet touring car, Maker's No.
1 AB5650, Motor No. 4399928

CITY BUILDINGS

	Feet of Land	Pur- chase of Land	Erec- tion of Build- ings	Valua- tion of Land	Valua- tion of Build- ings	Valua- tion of Furni- ture
City Hall.....	47,878	1888	1888	\$100,000	\$180,000	\$34,800
Brattle Square.....	16,153	1873	1874	35,700	60,000	2,500
Central Square.....	13,028	1872	1873	13,000	60,000	2,436
Station No. 3.....	4,220	1862	1870	2,500	17,800	800
Station No. 4.....	6,316	1872	1873	5,600	21,200	300
				\$156,800	\$339,000	\$40,836

POLICE DEPARTMENT

3 Ambulances.....	\$1,200 00	3 Messenger bags.....	\$9 00
8 Automobiles.....	2,200 00	1 Operating table.....	4 00
2 Auto B-guns.....	79 40	1 Private 'phone system..	200 00
4 Bookcases.....	20 00	10 Pairs of handcuffs.....	40 00
19 Blankets.....	38 00	1 Pair legirons.....	7 00
1 Bertillon book.....	1 00	250 Police badges.....	250 00
1 Camera and stand.....	75 00	250 Police clubs.....	250 00
77 Chairs.....	308 00	2 Pulmotors.....	20 00
9 Clocks.....	25 00	270 Police keys.....	135 00
7 Directories.....	84 00	1 Rug.....	30 00
255 Diaries.....	319 00	250 Revolvers.....	5,000 00
4 Desk lamps.....	16 00	250 Rules and Regulations.	60 00
9 Filing cabinets.....	395 00	3 Safes.....	45 00
4 Flat desks.....	200 00	3 Steel lockers.....	50 00
12 Desks (otherwise).....	240 00	3 Strait-jackets.....	9 00
6 Fingerprint outfits.....	12 00	6 Sets law books.....	30 00
250 Fire alarm keys.....	75 00	4 First aid charts.....	20 00
9 Fire ropes.....	27 00	4 Searchlights.....	50 00
1 Fan (electric).....	20 00	50 Traffic belts.....	162 00
2 Grappling irons.....	2 00	5 Typewriters.....	450 00
3 Hand hoses.....	3 00	3 Tables.....	12 00
250 Hat badges.....	250 00	4 Wardrobes.....	20 00
5 Ice water tanks.....	37 50	2 Steel bookcases.....	250 00
22 Inkstands.....	11 00	12 Waste baskets.....	12 00
33 Lanterns.....	33 00	16 Steel cabinets.....	900 00
3 Lungmotors.....	300 00	3 Medicine cabinets.....	15 00
8 Motorcycles.....	1,600 00		
			\$15,600 90

List of City Property — Continued
FIRE DEPARTMENT

Apparatus.....	\$240,888 00
Bedding, etc.....	6,000 00
Hardware and tools.....	1,000 00
Harnesses.....	50 00
Miscellaneous.....	2,000 00
Hose.....	12,000 00
	<hr/> \$261,938 00

REAL ESTATE

Buildings	Location	Purchase of Land	Erec- tion of Buildings	Land Sq. Ft.	Assessed Value	
					Land	Buildings
Ladder House No. 1	Eliot Square.....	Owned by City	1893	10,000	In City	Buildings Schedule
Engine House No. 2	Nos. 384-391					
Ladder House No. 3	Mass. Ave. }				\$35,000	\$24,000
Engine House No. 3	35 Third St.....				6,600	20,400
Engine House No. 4	Mass. Ave. and Blake St.....	1895	1895	10,100		
Engine House No. 4		1896	1896	9,532	9,200	24,900
Engine House No. 5	Inman Square....	Owned by City	1913-14	6,000	Buildings	Schedule
Engine House No. 6	176 River St.....				3,000	12,000
Engine House No. 7	360 Main St.....				15,500	15,900
Engine House No. 8	Junction of Garden }					
Ladder House No. 4	and Sherman Sts. }	1903	1904-5	10,380	3,600	30,000
Engine House No. 9	167 Lexington Ave.	1893	1894	15,262	4,900	6,200
Ladder House No. 2	276 Portland St. }	Owned by City	1887-88	7,610	4,900	12,000
					\$82,700	\$145,400

SEALER OF WEIGHTS AND MEASURES

Standards furnished by the Commonwealth

- 1 Balance — 5 grains to 100 lbs.
- 1 Set (5) avoirdupois weights, 50-lb., 25-lb., 10-lb., 5-lb.
- 1 Set (11) avoirdupois weights, 4-lb. to 1-16 oz.
- 1 Kilogramme in case.
- 1 Steel meter in case.
- 1 Brass yard measure.
- 1 Set (5) iron dry measures, 1-2 bushel to 1 quart.
- 1 Set (6) iron liquid measures, 1 gallon to 1 gill.

OFFICE FURNITURE

- | | |
|------------------------------|----------------------------|
| 1 Roll top desk | 1 Black walnut desk |
| 5 Chairs | 1 Table |
| 1 Clothespress | 1 Scale cabinet |
| 2 Benches | 1 Sink |
| 5 Mats | 1 Set Revised Laws |
| 1 Set card records, oak case | 1 Set card index, oak case |
| 1 Hectograph | 1 Letter press |
| 1 Blotter bath | |

List of City Property — *Continued*
 Sealer of Weights and Measures — *Concluded*

MISCELLANEOUS

Miscellaneous books.....	\$200 00
1 Express wagon.....	100 00
1 Light wagon.....	35 00
1 Pung.....	23 00
2 Harnesses.....	70 00
1 Plush robe.....	6 00
1 Stable blanket.....	2 00
1 Rain blanket.....	2 00
1 Woolen blanket.....	8 00
1 Halter.....	75
1 Hitch weight.....	50
1 Balance scale.....	88 69
1 Platform scale, 1-2 to 2,500 lbs.....	75 00
1 Folding platform scale, 1-2 lb. to 600 lbs.....	30 00
1 Balance, 1-10 milligram to 500 grams.....	35 00
1 Balance, 1-50 grain to 1-2 lb.....	15 00
1 Sealer's balance, 1 grain to 100 lbs.....	150 00
2 Leather tool bags.....	9 50
1 Sealer's balance, 1 grain to 8 lbs.....	50 00
2 Sealer's trip scales (not used).....	5 00
1 Spring scale, 1 lb. to 125 lbs.....	1 00
2 Sets (19) avoirdupois weights, 4 lbs. to 1-8 oz.....	10 00
1 Set (9) Troy weights, 16 oz. to 1-8 oz.....	3 00
1 Set (13) metric weights, 1 kilo to 1 gram.....	5 00
5 Boxes miscellaneous weights (not standardized).....	10 00
1 Set (3) iron weights — 125 lbs., 10 lbs., 5 lbs.....	5 00
40 50-lb. weights.....	100 00
1 Arch.....	2 00
3 Glass graduates.....	1 00
1 Set (21) grain weights, 1,000 gram to 1-1,000 gram.....	13 50
1 Set (21) metric weights, 50-gram to 1-10 gram.....	13 50
1 Set (5) copper dry measures, 1-2 bushel to 1 quart.....	45 00
1 Set (3) brass dry measures, 1 quart to 1-2 pint.....	5 00
2 Sets (14) copper liquid measures, 1 gallon to 1 gill.....	30 00
1 Yard measure.....	1 50
1 Iron truck.....	5 00
1 5-gallon copper measure.....	15 00
1 Steel tape.....	10 00
1 Pair of inside calipers.....	3 50
1 Set brands.....	3 00
1 Plumber's furnace.....	5 00
Miscellaneous tools.....	50 00
3 Record books.....	15 00
1 Ford Tudor sedan.....	} 1,074 19
1 Chrysler coupe.....	
	<hr/> \$2,331 63

List of City Property — *Continued***HEALTH DEPARTMENT**

Tuberculosis Hospital — 799 Concord Avenue

REAL ESTATE

Value of buildings	\$92,600 00	
Value of land (325,828 sq. ft.)	9,800 00	
		<hr/> \$102,400 00

PERSONAL PROPERTY

Linen and bedding	\$2,500 00	
Instruments and nursing utensils	150 00	
Dishes and kitchen utensils	300 00	
General furnishings and supplies	4,000 00	
Refrigeration plant	5,000 00	
		<hr/> 11,950 00

Health, General

6 desks, 6 desk chairs, 2 desk tables, 12 chairs, 3 benches	\$300 00	
Card cabinet and letter files	650 00	
Dictionary and 3 atlases	25 00	
Typewriting machine and desks	50 00	
Stationery and sundries	250 00	
Medical books	100 00	
Duplicator and supplies	20 00	
Disinfecting apparatus and supplies	25 00	
		<hr/> 1,420 00

Dental Clinic

Equipment (8 units)	\$8,500 00	
Instruments and supplies	1,000 00	
Furniture	350 00	
		<hr/> 9,850 00

At Garage

3 Ford automobiles (1 sedan and 2 coupes)	1,500 00
---	----------

LABORATORY

Electric centrifuge	\$250 00
Immersion refractometer	100 00
Zeiss refractometer	75 00
Drying oven	6 00
Water bath	150 00
Polariscope	20 00
Analytical balance and weights	45 00
Platinum dishes (7)	175 00
Chemicals and glassware	195 00
Office furniture (desk and chairs)	100 00
Discarded apparatus	5 00
Autoclave and furnishings	100 00
Milk collecting outfits	15 00
Apparatus for plating bacteria	10 00
Petri dishes	5 00

List of City Property — *Continued*
 Health Department — Laboratory — *Concluded*

One (1) automobile (Ford sedan)	\$500 00	
Microscope	125 00	
Incubator and thermo-regulator	150 00	
Sterilizing oven	50 00	
Test tubes	5 00	
Diphtheria, sputum and typhoid outfits	100 00	
Laboratory supplies	120 00	
Cards, card cabinet, stamps and stamp rack	350 00	
Electric refrigerator	375 00	
Milk box for samples	4 25	
Cream balance	35 00	
Sputum shaker	20 00	
Cork stoppers	8 00	
Books	8 00	
Plate glass desk top	32 00	
Stools	5 00	
	<hr/>	\$3,138 25

INSPECTION OF ANIMALS DEPARTMENT

Medical supplies	\$152 87
----------------------------	----------

List of City Property — *Continued*

SEWER DEPARTMENT

PERSONAL PROPERTY

1 Catch basin cleaning cart (cast iron)	\$10 00
1 Hoisting engine	100 00
4 Gasoline engines	125 00
2 Ejectors	25 00
1 One-ton trailer	10 00
1 Buick coach, model 1926	400 00
1 Federal truck 1929, 4 tons	3,000 00
1 Henderson truck 1924, 1 ton	400 00
1 Chevrolet truck 1927, 1 ton	175 00
1 Chevrolet truck 1928, 1 ton	200 00
1 Autocar truck 1923, 2½ tons, with Healey catch basin cleaner attached	1,500 00
1 Fordson tractor 1926, with Healey catch basin cleaning machine attached	1,000 00
1 Ford truck 1923, 1 ton	50 00
1 Chevrolet touring car 1929	100 00
2 Hand sprays	5 00
4 Hand pumps and hose	40 00
1 Centrifugal pump	35 00
1 Horse-drawn street roller	15 00
1 Healey hand-operated sewer cleaning machine	35 00
2 Pile driver hammers	40 00
4 Tool houses	100 00
6 Doz. white lanterns	20 00
6 Doz. red lanterns	20 00
Tools, implements, shovels, picks, etc.	300 00
500 Feet flushing hose	150 00
Stock on hand, bricks, castings, lumber, cement, pipe, etc.	100 00
Portalite (spot light)	15 00
2 Portable electric lanterns	10 00
1 Carpenter spot light	10 00
1 Hauch thawing outfit	25 00
6 Pairs long rubber boots	25 00
15 Pairs short rubber boots	15 00
1 Doz. oil hats	6 00
1 Doz. oil coats	25 00
1 Doz. oil pants	15 00
1 Four-legged derrick and fittings	25 00
1 Gasoline concrete mixer	150 00
1 Air compressor and tools	800 00
	<hr/>
	\$9,076 00

List of City Property — *Continued*

STREET DEPARTMENT

REAL ESTATE

Location	Buildings and Land	Erec- tion of Build- ings	Pur- chase of Land	Feet of Land	Valuation of Land	Valuation of Buildings
Raymond Street..	City yard and stable, sheds and subway under tracks.....	1897	1896	272,670	\$27,300 00	\$27,000 00
	Incinerator plant.....	1912	....	.....	.....	5,000 00
Hampshire Street.	City yard and stable, sheds, scales, and Municipal garage..	1885 1919	....	72,661	32,400 00	71,000 00
Norfolk Street....	Yard and storage shed	....	....	34,650	13,900 00	300 00
Acton, Mass.....	Land, gravel bank...	....	1896	1,300,000	3,000 00	.....
New Street.....	Land, garage and offal plant.....	1929	1902	30,940	3,100 00	36,000 00
					\$79,700 00	\$139,300 00

PERSONAL PROPERTY

65 Motor vehicles.....	\$78,800 00
4 Desks and chairs (City Hall office).....	25 00
2 Desks and chairs (Raymond Street office).....	10 00
3 Desks and chairs (Hampshire Street office).....	15 00
5 Desks and chairs (New Street office).....	25 00
1 Typewriter and stand (City Hall office).....	50 00
1 Adding machine (City Hall office).....	50 00
3 Filing cabinets (City Hall office).....	45 00
1 Directory (City Hall office).....	12 00
Stationery (City Hall office).....	50 00
Road machinery (rollers, concrete mixers, etc.).....	10,067 00
Carts and wagons.....	535 00
Harnesses.....	330 00
9 Horses.....	1,800 00
Shop supplies (lumber, etc.).....	1,562 00
Tools.....	1,484 00
Road-building materials (sand, bricks, granite blocks, etc.).....	7,218 00
Shop machinery.....	2,655 00
Motor vehicle supplies.....	723 00
2 Information booths.....	200 00
10 Gas beacons.....	1,000 00
85 Section carts.....	1,700 00
340 Section cans.....	680 00
	<hr/>
	\$109,036 00

List of City Property — *Continued*
CITY HOSPITAL

REAL ESTATE

Land — Cambridge Street, Line Street and Camelia Avenue	\$81,200 00
Old buildings	25,000 00
New buildings	350,000 00
New addition built to date	52,000 00
	<hr/>
	\$508,200 00

PERSONAL PROPERTY

Instruments and apparatus	\$25,000 00
Furnishings and equipment	40,000 00
	<hr/>
	\$65,000 00

HOME FOR AGED AND INFIRM

Machinery	\$8,700 00
Furniture and fittings	40,413 89
Refrigeration equipment	980 00
Tablet	395 00
1 Ford truck	
	<hr/>
	\$50,488 89

CITY PHYSICIAN

1 Rolltop desk	1 Medicine scale
1 Walnut cabinet	1 Glass ointment slab
1 Examination table	1 Bunsen burner and tubing
2 Chairs, 1 stool	2 Spatulas
4 Sections filing cabinet	1 Hand centrifuge
6 Drawers to section	Miscellaneous medicines
1 Microscope	Stationery and index cards
1 Weighing scale	3 Graduates, 4 flasks
3 Fluted glasses	2 Glass funnels, 2 hard rubber
1 Alcohol lamp	1 Gas tripod and screen
1 Box tin splints	1 Test tube rack
1 Mirror	1 Linseed meal container
3 Basins	Miscellaneous surgical instruments

SOLDIERS' RELIEF

1 Steel counter (containing five sections)	1 Flat top typewriter desk
1 Steel clothes closet	3 Desk chairs
1 Steel closet (for storage)	3 Windsor chairs
2 Flat top desks	1 Ford Tudor automobile

PUBLIC LIBRARY

1 Ford truck (one ton)

List of City Property — *Concluded*
WATER DEPARTMENT

Adams Street:		
Land.....	\$11,400 00	
Auburn Street:		
Land.....	15,500 00	
Buildings.....	16,800 00	
Tools, etc.....	5,000 00	
Concord Avenue:		
Land.....	32,310 00	
Buildings.....	4,000 00	
Tools, etc.....	800 00	
Cushing Street.....	20,500 00	
Fresh Pond Lane.....	89,100 00	
Grove Street, rear.....	9,500 00	
Holworth Street, in gate house.....	15 00	
Huron Avenue.....	6,500 00	
Kingsley Park.....	8,000 00	
Lake View Avenue.....	8,600 00	
Lexington Avenue, buildings.....	10,000 00	
Massachusetts Avenue City Hall office furniture.....	1,000 00	
Vassal Lane, land.....	900 00	
Worthington Street:		
Land.....	20,200 00	
Buildings.....	102,000 00	
Pumps.....	270,000 00	
East Side house.....	5,000 00	
Woodlawn Avenue.....	15,500 00	
Blanchard Road.....	100 00	
Blanchard Road.....	100 00	
Fitchburg Railroad.....	100 00	
		\$652,925 00
Main pipe, hydrants, gates, etc.....		5,342,924 00
63-inch conduit.....		654,139 00
Stony Brook conduit.....		118,500 00
Filtration plant and equipment.....		893,774 00
Payson Park pipe line and reservoir.....		302,793 00
Stony Brook Reservation.....		722,868 00
Hobbs Brook Reservation.....		1,187,196 00
Fresh Pond.....		584,491 00
Conduits Broad Canal.....		22,336 00
		<hr/>
		\$10,481,946 00

REPORT OF CITY TREASURER

LETTER OF TRANSMITTAL

Cambridge, Mass., April 1, 1930.

To the Honorable City Council:

In compliance with the provisions of Chapter 56 of the revised ordinances of 1892, amended to November 8, 1899, compiled to November 10, 1913, concerning "Annual reports of officers and boards in charge of departments," I respectfully submit herewith a detailed report of the receipts and expenditures of the public funds by the Treasury Department during the year ending March 31, 1930, including an account of all bonded and temporary loans negotiated in said year, also a detailed account of official fees received and reports of all trust funds in the care of the City Treasurer. In addition to the above, a report of the Commissioners of the Sinking Funds of the City is included.

Very respectfully,

HENRY F. LEHAN,
City Treasurer.

TEMPORARY LOANS IN ANTICIPATION OF REVENUE NEGOTIATED
DURING THE YEAR ENDING MARCH 31, 1930

Date	Maturity	Amount	Discount per Annum
April 2, 1929	Nov. 1, 1929	\$1,000,000 00	5.92% plus \$2.75
June 12, 1929	Nov. 11, 1929	600,000 00	5.73% plus 7.00
June 28, 1929	Nov. 29, 1929	1,000,000 00	5.49% plus 7.00
Oct. 4, 1929	Feb. 4, 1930	400,000 00	5.60%
Dec. 31, 1929	June 30, 1930	500,000 00	3.92%
Feb. 4, 1930	Aug. 4, 1930	400,000 00	4.02%
Feb. 12, 1930	Feb. 12, 1931	190,000 00	4.16% plus \$5.00

PARTICULARS REGARDING BOND SALES NEGOTIATED DURING THE YEAR ENDING MARCH 31, 1930

Date of Bonds	Amount	Loan	Years to Run	Rate	Purchaser	Rate
Sept. 1, 1929	\$90,000 00	Sewer Separate System	\$3,000 annually for 30 years	4½	R. L. Day & Co.	100.879
Sept. 1, 1929	135,000 00	Street	14,000 annually for 5 years			
			13,000 annually for 5 years			
Sept. 1, 1929	350,500 00	Street	35,500 annually for 1 year			
			35,000 annually for 9 years			
Sept. 1, 1929	33,500 00	Street	9,500 annually for 1 year			
			6,000 annually for 4 years			
Nov. 1, 1929	25,000 00	Additional Department Equipment	5,000 annually for 5 years	4½	Harris Forbes & Co. Old Colony Corp.	101.408
Nov. 1, 1929	360,000 00	Charles River Bridge Acts of 1921	18,000 annually for 20 years			
Nov. 1, 1929	500,000 00	Northern Traffic Route Acts of 1924	50,000 annually for 10 years			
Dec. 1, 1929	500,000 00	City Hospital Acts of 1929	35,000 annually for 10 years	4½	R. L. Day & Co.	102.919
			30,000 annually for 5 years			
Dec. 1, 1929	300,000 00	Schoolhouse Acts of 1928	20,000 annually for 15 years			
Dec. 1, 1929	15,000 00	Street	3,000 annually for 5 years			
Mar. 1, 1930	97,000 00	Sewer Separate System	4,000 annually for 7 years	4¼	Estabook & Co.	103.54
			3,000 annually for 23 years			
Total.....	\$2,406,000 00					

RECAPITULATION

Street	\$534,000 00
Separate System of Sewers	187,000 00
Cottage Farm Bridge	360,000 00
Northern Traffic Route	500,000 00
Departmental Equipment	25,000 00
Hospital	500,000 00
School	300,000 00
Emergency	190,000 00
	<hr/>
	\$2,596,000 00

TREASURER'S DEPARTMENT

FEES

Affidavits	\$50 25
Deeds	394 00
Advertising	1,068 50
Preparing and Posting	471 00
Demands	3,686 00
Summonses	1 20
Examination of Title	114 00
Per Statute	57 00
Certificates	405 00
Release and Deed of Release	185 00
Recording Affidavit	98 50
Recording	113 20
	<hr/>
Total	\$6,643 65

REPORT OF TRUST FUNDS
IN HANDS OF CITY TREASURER

CEMETERY TRUST FUNDS

The following is the condition of the funds:

Amount of Perpetual Care Fund March 31, 1929	\$199,315 29
Amount of Deeds in Trust Fund March 31, 1929	542 00
Received from owners of lots for perpetual care	8,642 65
Received from owners of lots for deed in trust	10 00
Received from discount on bonds purchased	1,089 89
Over investment charged to 1930-31 Interest	100 17
	<hr/>
	\$209,700 00

The assets of the funds are:

Registered bonds of the City of Cambridge	\$36,700 00
Registered bonds of the City of Salem	10,000 00
Registered bonds of the City of Newton	5,000 00
Registered bonds of the City of Providence	30,000 00
Coupon bonds United States Liberty	12,000 00
Coupon bonds United States Treasury	111,000 00
Coupon bonds Town of Belmont	4,000 00
Coupon bonds City of Peabody	1,000 00
	<hr/>
	\$209,700 00

Cash Account**Dr.**

Cash on hand, Harvard Trust Company	\$1,657 29	
Received from owners of lots for perpetual care.....	8,642 65	
Received from owners of lots for deed in trust	10 00	
Received interest on investments	7,229 44	
Received discount on bonds purchased	1,089 89	
	<hr/>	\$18,629 27

Cr.

Paid to Cemetery account for care of lots in perpetual care	\$6,999 83	
Paid for bonds purchased	11,500 00	
Paid interest accrued on bonds purchased	129 44	
	<hr/>	\$18,629 27

Hopkins Fund**Dr.**

Balance in Harvard Trust Company March 31, 1929...	\$817 67	
Received from Treasurer of Edward Hopkins Fund.....	1,121 33	
Received interest on deposit	38 22	
	<hr/>	\$1,977 22

Cr.

Paid Elizabeth Tracey prizes	\$210 00	
Paid Elinor Rowe prizes	10 00	
Paid Grace McGlinchey prizes	15 00	
Paid Anthony De Vito prizes	15 00	
Paid Anthony Southard prizes	37 50	
Paid for supplies	140 86	
Balance in Harvard Trust Company, March 31, 1930 ..	1,548 86	
	<hr/>	\$1,977 22

Webster Thierry Fund

This is a fund of \$300, donated by Mrs. Louis J. Thierry in memory of her son, Webster H. Thierry, who died while a student at High and Latin School.

The income of the fund is to be expended for a prize to the boy in the graduating class, who has been outstanding, especially in his interest in debating and related work and known as the Webster Thierry Fund.

Amount of Fund March 31, 1929	\$346 62	
Interest	16 75	
	<hr/>	\$363 37

Paid for prize	\$10 00	
Cash on Hand March 31, 1930	5 50	
Balance in Charlestown Five Cents Savings Bank	347 87	
	<hr/>	\$363 37

William Penn Harding Fund

Amount of fund March 31, 1929	\$1,000 00	
Received and paid to the Trustees of the Cambridge Public Library interest on fund	50 00	
The pass book of the East Cambridge Savings Bank shows that on March 31, 1930 the amount of deposit was	\$1,000 00	

John Wesley Freeze Fund

Amount of fund, March 31, 1929.....	\$167 10
Interest added to deposit.....	8 46
	<hr/>
Balance in Cambridgeport Savings Bank, March 31, 1930.....	\$175 56

Tailings Account

Amount of fund, March 31, 1929.....	\$574 65
Received interest on deposit.....	12 46
	<hr/>
Balance, March 31, 1930, on deposit at Harvard Trust Co.....	\$587 11

Bridge Charitable Fund

Amount of fund, March 31, 1929.....	\$3,208 34
Interest for the year.....	\$145 98
Two-thirds paid to Overseers of Poor.....	97 32
One-third added to principal.....	48 66
	<hr/>
Total of fund, March 31, 1930.....	\$3,257 00

Sarah E. Russell Fund

Amount of fund, March 31, 1930.....	\$814 41
Received for interest \$41.20 and paid to John T. Shea, Superintendent of City Home.	

The Bonded Debt matures as follows:

Issued serially, provided for in the annual tax levy.

April	1, 1930	Sewer construction.....	4½s	\$500 00
April	1, 1930	Main Street, Broadway widening...	4s	29,000 00
May	1, 1930	Sewer.....	3½s	500 00
May	1, 1930	Cambridge Bridge.....	4s	2,000 00
June	1, 1930	Hospital building.....	4s	2,000 00
June	1, 1930	Cemetery.....	4s	1,000 00
June	1, 1930	Hospital.....	4s	2,000 00
June	1, 1930	Sewer construction.....	4s	500 00
June	1, 1930	Sewer separate system.....	4s	500 00
June	1, 1930	Building.....	4¼s	1,000 00
June	1, 1930	First Street bridge.....	4¼s	1,000 00
June	1, 1930	Sewer separate system.....	4¼s	1,500 00
June	1, 1930	Street construction.....	4¼s	5,000 00
July	1, 1930	Building.....	4s	4,000 00
July	1, 1930	Sewer.....	4s	500 00
July	1, 1930	Sewer separate system.....	4s	500 00
July	1, 1930	Playground.....	4s	1,000 00
July	1, 1930	Park.....	4s	1,000 00
July	1, 1930	Schoolhouse.....	4½s	3,250 00
July	1, 1930	Schoolhouse.....	4½s	5,000 00
July	1, 1930	Street.....	4½s	2,000 00
July	1, 1930	Street.....	4s	400 00
July	1, 1930	Sewer separate system.....	4s	1,000 00
July	1, 1930	Building.....	4½s	4,000 00
July	1, 1930	Sewer.....	4½s	1,000 00
July	15, 1930	Schoolhouse.....	4¼s	4,000 00
July	15, 1930	Sewer construction.....	4s	1,000 00
July	15, 1930	Sewer separate system.....	4s	1,000 00
July	15, 1930	Street construction.....	4¼s	22,000 00
Aug.	14, 1930	Additional Departmental Equipment	4¼s	14,000 00
Sept.	1, 1930	Building.....	4½s	1,000 00
Sept.	1, 1930	Park.....	3½s	2,000 00
Sept.	1, 1930	Hospital.....	4s	3,000 00
Sept.	1, 1930	Park.....	4s	1,000 00
Sept.	1, 1930	Sewer separate system.....	4½s	3,000 00
Sept.	1, 1930	Street.....	4½s	14,000 00
Sept.	1, 1930	Street construction.....	4½s	35,500 00
Sept.	1, 1930	Street construction.....	4½s	9,500 00
Oct.	1, 1930	Sewer construction.....	4½s	500 00
Oct.	1, 1930	Sewer construction.....	4½s	1,500 00
Oct.	1, 1930	Schoolhouse.....	4½s	1,000 00
Oct.	1, 1930	Hospital.....	4½s	8,000 00
Oct.	1, 1930	Street.....	5s	1,500 00
Oct.	1, 1930	Street.....	5s	14,000 00
Oct.	1, 1930	Sewer.....	5s	1,000 00
Oct.	1, 1930	Hospital.....	5s	2,500 00
Oct.	1, 1930	Schoolhouse.....	4s	13,000 00
Oct.	1, 1930	First Street bridge.....	4s	4,000 00
Oct.	1, 1930	Sewer construction.....	4s	500 00
Oct.	1, 1930	Sewer separate system.....	4s	1,000 00
Oct.	1, 1930	Sewer.....	5s	1,000 00
Oct.	1, 1930	Sewer.....	5s	500 00
Oct.	1, 1930	Schoolhouse.....	5s	2,000 00
Oct.	1, 1930	Street.....	5s	23,000 00
Amount carried forward.....				\$256,150 00

<i>Amount brought forward</i>			\$256,150 00
Oct. 1, 1930	Building	4½s	\$2,000 00
Oct. 1, 1930	Sewer construction	4½s	2,000 00
Oct. 1, 1930	Sewer separate system	4½s	1,500 00
Oct. 1, 1930	Street	4s	17,000 00
Oct. 1, 1930	Street construction	4s	11,000 00
Oct. 1, 1930	Schoolhouse	4s	1,500 00
Oct. 1, 1930	Sixth Street bridge	4s	2,000 00
Oct. 1, 1930	Land for playground	4s	1,000 00
Oct. 1, 1930	Separate system of sewers	4s	2,500 00
Oct. 1, 1930	Street	4¼s	9,000 00
Oct. 1, 1930	Additional departmental equipment	4¼s	18,000 00
Oct. 1, 1930	Street	4¼s	32,000 00
Oct. 1, 1930	Land for playground	4¼s	500 00
Oct. 1, 1930	Sewer separate system	4¼s	2,500 00
Oct. 1, 1930	Additional departmental equipment	4s	28,000 00
Oct. 1, 1930	Street	4s	3,000 00
Oct. 1, 1930	Massachusetts Avenue Bridge, Acts of 1924	4s	26,000 00
Oct. 1, 1930	Oak Circle extension	4s	500 00
Oct. 1, 1930	Church Street widening	4s	3,500 00
Oct. 1, 1930	Street	4s	7,500 00
Oct. 1, 1930	Street	4s	30,000 00
Oct. 1, 1930	City of Cambridge, Charles River Bridge, Acts of 1921	4s	6,000 00
Oct. 1, 1930	Separate system of sewers	4s	1,000 00
Oct. 1, 1930	Street	4s	8,000 00
Oct. 1, 1930	Additional departmental equipment	4s	7,000 00
Oct. 1, 1930	Street	4s	39,000 00
Oct. 1, 1930	Building	4s	23,000 00
Oct. 1, 1930	Separate system of sewers	4s	1,000 00
Oct. 1, 1930	Street	4¼s	8,000 00
Oct. 1, 1930	Street	4¼s	35,500 00
Oct. 1, 1930	Building	4¼s	2,500 00
Oct. 1, 1930	Sewer separate system	4¼s	500 00
Nov. 1, 1930	Sewer	3½s	500 00
Nov. 1, 1930	Additional departmental equipment	4½s	5,000 00
Nov. 1, 1930	Charles River bridge, Acts of 1921	4½s	18,000 00
Nov. 1, 1930	Northern Traffic Route, Act of 1924	4½s	50,000 00
Dec. 1, 1930	Sewer separate system	4s	500 00
Dec. 1, 1930	Sewer construction	4½s	1,000 00
Dec. 1, 1930	Sewer construction	4½s	500 00
Dec. 1, 1930	Street construction	4s	5,000 00
Dec. 1, 1930	Building	4s	1,000 00
Dec. 1, 1930	Combined street and sewer	4s	3,000 00
Dec. 1, 1930	Street	3¾s	5,000 00
Dec. 1, 1930	City of Cambridge, Charles River Bridge, Acts of 1921	3¾s	8,000 00
Dec. 1, 1930	Building	3¾s	7,000 00
Dec. 1, 1930	Third Street bridge	3¾s	2,500 00
Dec. 1, 1930	Street	4¼s	9,000 00
Dec. 1, 1930	Schoolhouse	4¼s	35,000 00
Dec. 1, 1930	Building	4¼s	3,000 00
Dec. 1, 1930	City Hospital Loan, Act of 1929	4½s	35,000 00
Dec. 1, 1930	School, Acts of 1928	4½s	20,000 00
Dec. 1, 1930	Street	4½s	3,000 00
Jan. 1, 1931	Sewer	4s	500 00
Jan. 1, 1931	Schoolhouse	4s	3,250 00
<i>Amount carried forward</i>			\$804,400 00

<i>Amount brought forward</i>			\$804,400 00
Feb. 1, 1931	Building (schoolhouse)	4s	\$500 00
Mar. 1, 1931	Hospital	4s	4,500 00
Mar. 1, 1931	Building	4s	2,000 00
Mar. 1, 1931	Land for playground	4s	500 00
Mar. 1, 1931	Sewer separate system	4s	1,500 00
Mar. 1, 1931	Sewer separate system	4s	2,000 00
Mar. 1, 1931	Land for playground	4s	300 00
Mar. 1, 1931	Sewer separate system	3 ³ / ₄ s	3,000 00
Mar. 1, 1931	Sewer separate system	4 ¹ / ₄ s	4,000 00
April 1, 1931	Sewer construction	4 ¹ / ₂ s	500 00
April 1, 1931	Main Street, Broadway widening . . .	4s	29,000 00
May 1, 1931	Sewer	3 ¹ / ₂ s	500 00
May 1, 1931	Cambridge Bridge	4s	2,000 00
June 1, 1931	Hospital building	4s	2,000 00
June 1, 1931	Cemetery	4s	1,000 00
June 1, 1931	Hospital	4s	2,000 00
June 1, 1931	Sewer construction	4s	500 00
June 1, 1931	Sewer separate system	4s	500 00
June 1, 1931	Building	4 ¹ / ₄ s	1,000 00
June 1, 1931	First Street Bridge	4 ¹ / ₄ s	1,000 00
June 1, 1931	Sewer separate system	4 ¹ / ₄ s	1,500 00
June 1, 1931	Street construction	4 ¹ / ₄ s	5,000 00
July 1, 1931	Schoolhouse	4 ¹ / ₂ s	5,000 00
July 1, 1931	Building	4s	4,000 00
July 1, 1931	Sewer	4 ¹ / ₂ s	1,000 00
July 1, 1931	Building	4 ¹ / ₂ s	4,000 00
July 1, 1931	Sewer	4s	500 00
July 1, 1931	Sewer separate system	4s	500 00
July 1, 1931	Playground	4s	1,000 00
July 1, 1931	Park	4s	1,000 00
July 1, 1931	Street	4 ¹ / ₂ s	2,000 00
July 1, 1931	Street	4s	400 00
July 1, 1931	Sewer separate system	4s	1,000 00
July 1, 1931	Schoolhouse	4 ¹ / ₂ s	3,250 00
July 15, 1931	Schoolhouse	4 ¹ / ₄ s	4,000 00
July 15, 1931	Sewer construction	4s	1,000 00
July 15, 1931	Sewer separate system	4s	1,000 00
July 15, 1931	Street construction	4 ¹ / ₄ s	22,000 00
Aug. 14, 1931	Additional departmental equipment .	4 ¹ / ₄ s	14,000 00
Sept. 1, 1931	Park	3 ¹ / ₂ s	2,000 00
Sept. 1, 1931	Building	4 ¹ / ₂ s	1,000 00
Sept. 1, 1931	Hospital	4s	3,000 00
Sept. 1, 1931	Park	4s	1,000 00
Sept. 1, 1931	Sewer separate system	4 ¹ / ₂ s	3,000 00
Sept. 1, 1931	Street	4 ¹ / ₂ s	14,000 00
Sept. 1, 1931	Street construction	4 ¹ / ₂ s	35,000 00
Sept. 1, 1931	Street construction	4 ¹ / ₂ s	6,000 00
Oct. 1, 1931	Sewer construction	4 ¹ / ₂ s	500 00
Oct. 1, 1931	Sewer construction	4 ¹ / ₂ s	1,500 00
Oct. 1, 1931	Schoolhouse	4 ¹ / ₂ s	1,000 00
Oct. 1, 1931	Hospital	4 ¹ / ₂ s	8,000 00
Oct. 1, 1931	Sewer	5s	1,000 00
Oct. 1, 1931	Hospital	5s	2,500 00
Oct. 1, 1931	Sewer	5s	1,000 00
Oct. 1, 1931	Sewer	5s	500 00
Oct. 1, 1931	Street	5s	23,000 00
Oct. 1, 1931	Building	4 ¹ / ₂ s	2,000 00
<i>Amount carried forward</i>			\$1,040,850 00

<i>Amount brought forward</i>			\$1,040,850 00
Oct.	1, 1931	Sewer construction.....4½s	\$2,000 00
Oct.	1, 1931	Sewer separate system.....4½s	1,500 00
Oct.	1, 1931	Schoolhouse.....4s	13,000 00
Oct.	1, 1931	First Street Bridge.....4s	4,000 00
Oct.	1, 1931	Sewer construction.....4s	500 00
Oct.	1, 1931	Sewer separate system.....4s	1,000 00
Oct.	1, 1931	Street construction.....4s	11,000 00
Oct.	1, 1931	Schoolhouse.....4s	1,500 00
Oct.	1, 1931	Sixth Street Bridge.....4s	2,000 00
Oct.	1, 1931	Land for playground.....4s	1,000 00
Oct.	1, 1931	Separate system of sewers.....4s	2,500 00
Oct.	1, 1931	Street.....4s	17,000 00
Oct.	1, 1931	Street.....4¼s	32,000 00
Oct.	1, 1931	Land for playground.....4¼s	500 00
Oct.	1, 1931	Sewer separate system.....4¼s	2,500 00
Oct.	1, 1931	Additional departmental equipment.....4s	28,000 00
Oct.	1, 1931	Street.....4s	3,000 00
Oct.	1, 1931	Massachusetts Avenue Bridge, Acts of 1924.....4s	26,000 00
Oct.	1, 1931	Oak Circle extension.....4s	500 00
Oct.	1, 1931	Church Street widening.....4s	3,500 00
Oct.	1, 1931	Street.....4s	7,500 00
Oct.	1, 1931	Street.....4s	30,000 00
Oct.	1, 1931	City of Cambridge, Charles River Bridge, Acts of 1921.....4s	6,000 00
Oct.	1, 1931	Separate system of sewers.....4s	1,000 00
Oct.	1, 1931	Street.....4s	8,000 00
Oct.	1, 1931	Additional departmental equipment.....4s	7,000 00
Oct.	1, 1931	Street.....4s	39,000 00
Oct.	1, 1931	Building.....4s	23,000 00
Oct.	1, 1931	Separate system of sewers.....4s	1,000 00
Oct.	1, 1931	Street.....4¼s	8,000 00
Oct.	1, 1931	Street.....4¼s	35,500 00
Oct.	1, 1931	Building.....4¼s	2,500 00
Oct.	1, 1931	Sewer separate system.....4¼s	500 00
Nov.	1, 1931	Sewer.....3½s	500 00
Nov.	1, 1931	Additional departmental equipment.....4½s	5,000 00
Nov.	1, 1931	Charles River Bridge, Acts of 1921.....4½s	18,000 00
Nov.	1, 1931	Northern Traffic Route, Act of 1924.....4½s	50,000 00
Dec.	1, 1931	Sewer separate system.....4s	500 00
Dec.	1, 1931	Sewer construction.....4½s	1,000 00
Dec.	1, 1931	Sewer construction.....4½s	500 00
Dec.	1, 1931	Street construction.....4s	5,000 00
Dec.	1, 1931	Building.....4s	1,000 00
Dec.	1, 1931	Combined street and sewer.....4s	3,000 00
Dec.	1, 1931	Street.....3¾s	5,000 00
Dec.	1, 1931	City of Cambridge, Charles River Bridge, Acts of 1921.....3¾s	8,000 00
Dec.	1, 1931	Building.....3¾s	7,000 00
Dec.	1, 1931	Third Street bridge.....3¾s	2,500 00
Dec.	1, 1931	Street.....4¼s	9,000 00
Dec.	1, 1931	Schoolhouse.....4¼s	35,000 00
Dec.	1, 1931	Building.....4¼s	3,000 00
Dec.	1, 1931	City Hospital, Acts of 1929.....4½s	35,000 00
Dec.	1, 1931	School, Acts of 1928.....4½s	20,000 00
Dec.	1, 1931	Street.....3½s	3,000 00
Jan.	1, 1932	Sewer.....4s	500 00
<i>Amount carried forward</i>			\$1,575,350 00

<i>Amount brought forward</i>			\$1,575,350 00
Jan. 1, 1932	Schoolhouse	4s	\$3,250 00
Feb. 1, 1932	Building (schoolhouse)	4s	500 00
Mar. 1, 1932	Hospital	4s	4,500 00
Mar. 1, 1932	Building	4s	2,000 00
Mar. 1, 1932	Land for playground	4s	500 00
Mar. 1, 1932	Sewer separate system	4s	1,500 00
Mar. 1, 1932	Sewer separate system	4s	2,000 00
Mar. 1, 1932	Sewer separate system	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1932	Land for playground	4s	300 00
Mar. 1, 1932	Sewer separate system	4 $\frac{1}{4}$ s	4,000 00
April 1, 1932	Sewer construction	4 $\frac{1}{2}$ s	500 00
April 1, 1932	Main Street, Broadway widening . .	4s	29,000 00
May 1, 1932	Sewer	3 $\frac{1}{2}$ s	500 00
May 1, 1932	Cambridge Bridge	4s	2,000 00
June 1, 1932	Hospital Building	4s	2,000 00
June 1, 1932	Cemetery	4s	1,000 00
June 1, 1932	Hospital	4s	2,000 00
June 1, 1932	Sewer construction	4s	500 00
June 1, 1932	Sewer separate system	4s	500 00
June 1, 1932	Building	4 $\frac{1}{4}$ s	1,000 00
June 1, 1932	First Street bridge	4 $\frac{1}{4}$ s	1,000 00
June 1, 1932	Sewer separate system	4 $\frac{1}{4}$ s	1,500 00
June 1, 1932	Street construction	4 $\frac{1}{4}$ s	5,000 00
July 1, 1932	Building	4s	4,000 00
July 1, 1932	Sewer	4s	500 00
July 1, 1932	Sewer separate system	4s	500 00
July 1, 1932	Park	4s	1,000 00
July 1, 1932	Playground	4s	1,000 00
July 1, 1932	Schoolhouse	4 $\frac{1}{2}$ s	3,250 00
July 1, 1932	Street	4 $\frac{1}{2}$ s	2,000 00
July 1, 1932	Street	4s	400 00
July 1, 1932	Sewer separate system	4s	1,000 00
July 1, 1932	Schoolhouse	4 $\frac{1}{2}$ s	5,000 00
July 1, 1932	Building	4 $\frac{1}{2}$ s	4,000 00
July 1, 1932	Sewer	4 $\frac{1}{2}$ s	1,000 00
July 15, 1932	Schoolhouse	4 $\frac{1}{4}$ s	4,000 00
July 15, 1932	Sewer construction	4s	1,000 00
July 15, 1932	Sewer separate system	4s	1,000 00
July 15, 1932	Street construction	4 $\frac{1}{4}$ s	22,000 00
Aug. 14, 1932	Additional departmental equipment .	4 $\frac{1}{4}$ s	14,000 00
Sept. 1, 1932	Building	4 $\frac{1}{2}$ s	1,000 00
Sept. 1, 1932	Park	3 $\frac{1}{2}$ s	2,000 00
Sept. 1, 1932	Hospital	4s	3,000 00
Sept. 1, 1932	Park	4s	1,000 00
Sept. 1, 1932	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Sept. 1, 1932	Street	4 $\frac{1}{2}$ s	14,000 00
Sept. 1, 1932	Street construction	4 $\frac{1}{2}$ s	35,000 00
Sept. 1, 1932	Street construction	4 $\frac{1}{2}$ s	6,000 00
Oct. 1, 1932	Sewer construction	4 $\frac{1}{2}$ s	500 00
Oct. 1, 1932	Sewer construction	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1932	Hospital	4 $\frac{1}{2}$ s	8,000 00
Oct. 1, 1932	Sewer	5s	1,000 00
Oct. 1, 1932	Hospital	5s	2,500 00
Oct. 1, 1932	Sewer	5s	1,000 00
Oct. 1, 1932	Sewer	5s	500 00
Oct. 1, 1932	Building	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1932	Sewer construction	4 $\frac{1}{2}$ s	2,000 00

Amount carried forward \$1,793,050 00

<i>Amount brought forward</i>			\$1,793,050 00
Oct. 1, 1932	Sewer separate system	4½s	\$1,500 00
Oct. 1, 1932	Schoolhouse	4s	13,000 00
Oct. 1, 1932	First Street bridge	4s	4,000 00
Oct. 1, 1932	Sewer construction	4s	500 00
Oct. 1, 1932	Sewer separate system	4s	1,000 00
Oct. 1, 1932	Schoolhouse	4s	1,500 00
Oct. 1, 1932	Schoolhouse	4½s	1,000 00
Oct. 1, 1932	Sixth Street bridge	4s	2,000 00
Oct. 1, 1932	Land for playground	4s	1,000 00
Oct. 1, 1932	Separate system of sewers	4s	2,500 00
Oct. 1, 1932	Street	4¼s	32,000 00
Oct. 1, 1932	Land for playground	4¼s	500 00
Oct. 1, 1932	Sewer separate system	4¼s	2,500 00
Oct. 1, 1932	Oak Circle extension	4s	500 00
Oct. 1, 1932	Church Street widening	4s	3,500 00
Oct. 1, 1932	Street	4s	7,500 00
Oct. 1, 1932	Street	4s	30,000 00
Oct. 1, 1932	City of Cambridge, Charles River Bridge, Acts of 1921	4s	6,000 00
Oct. 1, 1932	Separate system of sewers	4s	1,000 00
Oct. 1, 1932	Additional departmental equipment	4s	7,000 00
Oct. 1, 1932	Street	4s	7,000 00
Oct. 1, 1932	Street	4s	39,000 00
Oct. 1, 1932	Building	4s	23,000 00
Oct. 1, 1932	Separate system of sewers	4s	1,000 00
Oct. 1, 1932	Street	4s	11,000 00
Oct. 1, 1932	Street	4s	17,000 00
Oct. 1, 1932	Street	4¼s	7,000 00
Oct. 1, 1932	Street	4¼s	35,500 00
Oct. 1, 1932	Building	4¼s	2,500 00
Oct. 1, 1932	Sewer separate system	4¼s	500 00
Nov. 1, 1932	Sewer	3½s	500 00
Nov. 1, 1932	Additional departmental equipment	4½s	5,000 00
Nov. 1, 1932	Charles River Bridge, Act of 1921	4½s	18,000 00
Nov. 1, 1932	Northern Traffic Route, Act of 1924	4½s	50,000 00
Dec. 1, 1932	City Hospital, Acts of 1929	4½s	35,000 00
Dec. 1, 1932	Sewer separate system	4s	500 00
Dec. 1, 1932	Sewer construction	4½s	1,000 00
Dec. 1, 1932	Sewer construction	4½s	500 00
Dec. 1, 1932	Street construction	4s	5,000 00
Dec. 1, 1932	Building	4s	1,000 00
Dec. 1, 1932	Combined street and sewer	4s	3,000 00
Dec. 1, 1932	Street	3¾s	5,000 00
Dec. 1, 1932	City of Cambridge, Charles River Bridge, Acts of 1921	3¾s	8,000 00
Dec. 1, 1932	Building	3¾s	7,000 00
Dec. 1, 1932	Third Street bridge	3¾s	2,500 00
Dec. 1, 1932	Street	4¼s	9,000 00
Dec. 1, 1932	Schoolhouse	4¼s	35,000 00
Dec. 1, 1932	Building	4¼s	3,000 00
Dec. 1, 1932	School, Acts of 1928	4½s	20,000 00
Dec. 1, 1932	Street	4½s	3,000 00
Jan. 1, 1933	Sewer	4s	500 00
Jan. 1, 1933	Schoolhouse	4s	3,250 00
Feb. 1, 1933	Building (schoolhouse)	4s	500 00
Mar. 1, 1933	Hospital	4s	4,500 00
<i>Amount carried forward</i>			\$2,275,800 00

<i>Amount brought forward</i>			\$2,275,800 00
Mar. 1, 1933	Building	4s	\$2,000 00
Mar. 1, 1933	Land for playground	4s	500 00
Mar. 1, 1933	Sewer separate system	4s	1,500 00
Mar. 1, 1933	Sewer separate system	4s	2,000 00
Mar. 1, 1933	Sewer separate system	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1933	Land for playground	4s	300 00
Mar. 1, 1933	Sewer separate system	4 $\frac{1}{4}$ s	4,000 00
April 1, 1933	Sewer construction	4 $\frac{1}{2}$ s	500 00
April 1, 1933	Main Street, Broadway widening . .	4s	29,000 00
May 1, 1933	Cambridge Bridge	4s	2,000 00
May 1, 1933	Sewer	3 $\frac{1}{2}$ s	500 00
June 1, 1933	Cemetery	4s	1,000 00
June 1, 1933	Hospital building	4s	2,000 00
June 1, 1933	Sewer construction	4s	500 00
June 1, 1933	Sewer separate system	4s	500 00
June 1, 1933	Building	4 $\frac{1}{4}$ s	1,000 00
June 1, 1933	First Street Bridge	4 $\frac{1}{4}$ s	1,000 00
June 1, 1933	Sewer separate system	4 $\frac{1}{4}$ s	1,500 00
June 1, 1933	Street construction	4 $\frac{1}{4}$ s	5,000 00
July 1, 1933	Building	4s	4,000 00
July 1, 1933	Sewer	4s	500 00
July 1, 1933	Sewer separate system	4s	500 00
July 1, 1933	Playground	4s	1,000 00
July 1, 1933	Park	4s	1,000 00
July 1, 1933	Schoolhouse	4 $\frac{1}{2}$ s	3,250 00
July 1, 1933	Street	4 $\frac{1}{2}$ s	2,000 00
July 1, 1933	Street	4s	400 00
July 1, 1933	Sewer separate system	4s	1,000 00
July 1, 1933	Schoolhouse	4 $\frac{1}{2}$ s	5,000 00
July 1, 1933	Building	4 $\frac{1}{2}$ s	4,000 00
July 1, 1933	Sewer	4 $\frac{1}{2}$ s	1,000 00
July 15, 1933	Schoolhouse	4 $\frac{1}{4}$ s	4,000 00
July 15, 1933	Sewer construction	4s	1,000 00
July 15, 1933	Sewer separate system	4s	1,000 00
July 15, 1933	Street construction	4 $\frac{1}{4}$ s	22,000 00
Aug. 14, 1933	Additional departmental equipment.	4 $\frac{1}{4}$ s	14,000 00
Sept. 1, 1933	Building	4 $\frac{1}{2}$ s	1,000 00
Sept. 1, 1933	Park	3 $\frac{1}{2}$ s	1,000 00
Sept. 1, 1933	Hospital	4s	3,000 00
Sept. 1, 1933	Park	4s	1,000 00
Sept. 1, 1933	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Sept. 1, 1933	Street	4 $\frac{1}{2}$ s	14,000 00
Sept. 1, 1933	Street construction	4 $\frac{1}{2}$ s	35,000 00
Sept. 1, 1933	Street construction	4 $\frac{1}{2}$ s	6,000 00
Oct. 1, 1933	Sewer construction	4 $\frac{1}{2}$ s	500 00
Oct. 1, 1933	Sewer construction	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1933	Schoolhouse	4 $\frac{1}{2}$ s	1,000 00
Oct. 1, 1933	Hospital	4 $\frac{1}{2}$ s	8,000 00
Oct. 1, 1933	Sewer	5s	1,000 00
Oct. 1, 1933	Hospital	5s	2,500 00
Oct. 1, 1933	Sewer	5s	1,000 00
Oct. 1, 1933	Sewer	5s	500 00
Oct. 1, 1933	Building	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1933	Street	4s	11,000 00
Oct. 1, 1933	Sewer construction	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1933	Sewer separate system	4 $\frac{1}{2}$ s	1,500 00

Amount carried forward \$2,495,750 00

<i>Amount brought forward</i>			\$2,495,750 00
Oct.	1, 1933	Schoolhouse4s	\$13,000 00
Oct.	1, 1933	First Street Bridge4s	4,000 00
Oct.	1, 1933	Sewer construction4s	500 00
Oct.	1, 1933	Sewer separate system4s	1,000 00
Oct.	1, 1933	Schoolhouse4s	1,500 00
Oct.	1, 1933	Sixth Street Bridge4s	2,000 00
Oct.	1, 1933	Land for playground4s	1,000 00
Oct.	1, 1933	Separate system of sewers4s	2,500 00
Oct.	1, 1933	Street4 $\frac{1}{4}$ s	31,000 00
Oct.	1, 1933	Land for playground4 $\frac{1}{4}$ s	500 00
Oct.	1, 1933	Sewer separate system4 $\frac{1}{4}$ s	2,500 00
Oct.	1, 1933	Oak Circle extension4s	500 00
Oct.	1, 1933	Church Street widening4s	3,500 00
Oct.	1, 1933	Street4s	7,500 00
Oct.	1, 1933	Street4s	30,000 00
Oct.	1, 1933	City of Cambridge, Charles River Bridge, Acts of 19214s	6,000 00
Oct.	1, 1933	Separate system of sewers4s	1,000 00
Oct.	1, 1933	Building4s	22,000 00
Oct.	1, 1933	Street4s	38,000 00
Oct.	1, 1933	Separate system of sewers4s	1,000 00
Oct.	1, 1933	Street4 $\frac{1}{4}$ s	7,000 00
Oct.	1, 1933	Street4 $\frac{1}{4}$ s	35,500 00
Oct.	1, 1933	Building4 $\frac{1}{4}$ s	2,500 00
Oct.	1, 1933	Sewer separate system4 $\frac{1}{4}$ s	500 00
Nov.	1, 1933	Sewer3 $\frac{1}{2}$ s	500 00
Nov.	1, 1933	Additional departmental equipment .4 $\frac{1}{2}$ s	5,000 00
Nov.	1, 1933	Charles River bridge, Acts of 1921 .4 $\frac{1}{2}$ s	18,000 00
Nov.	1, 1933	Northern Traffic Route, Act of 1924 4 $\frac{1}{2}$ s	50,000 00
Dec.	1, 1933	Sewer separate system4s	500 00
Dec.	1, 1933	Sewer construction4 $\frac{1}{2}$ s	1,000 00
Dec.	1, 1933	Sewer construction4 $\frac{1}{2}$ s	500 00
Dec.	1, 1933	Street construction4s	5,000 00
Dec.	1, 1933	Building4s	1,000 00
Dec.	1, 1933	Combined street and sewer4s	3,000 00
Dec.	1, 1933	Street3 $\frac{3}{4}$ s	5,000 00
Dec.	1, 1933	City of Cambridge, Charles River Bridge, Acts of 19213 $\frac{3}{4}$ s	5,000 00
Dec.	1, 1933	Building3 $\frac{3}{4}$ s	7,000 00
Dec.	1, 1933	Third Street Bridge3 $\frac{3}{4}$ s	2,500 00
Dec.	1, 1933	Street4 $\frac{1}{4}$ s	9,000 00
Dec.	1, 1933	Schoolhouse4 $\frac{1}{4}$ s	35,000 00
Dec.	1, 1933	Building4 $\frac{1}{4}$ s	3,000 00
Dec.	1, 1933	City Hospital, Acts of 19294 $\frac{1}{2}$ s	35,000 00
Dec.	1, 1933	School, Acts of 19284 $\frac{1}{2}$ s	20,000 00
Dec.	1, 1933	Street4 $\frac{1}{2}$ s	3,000 00
Jan.	1, 1934	Sewer4s	500 00
Jan.	1, 1934	Schoolhouse4s	3,250 00
Feb.	1, 1934	Building (schoolhouse)4s	500 00
Mar.	1, 1934	Hospital4s	4,500 00
Mar.	1, 1934	Building4s	2,000 00
Mar.	1, 1934	Land for playground4s	500 00
Mar.	1, 1934	Sewer separate system4s	1,500 00
Mar.	1, 1934	Sewer separate system4s	2,000 00
Mar.	1, 1934	Sewer separate system3 $\frac{3}{4}$ s	3,000 00
Mar.	1, 1934	Land for playground4s	300 00

Amount carried forward \$2,937,300 00

<i>Amount brought forward</i>			\$2,937,300 00
Mar. 1, 1934	Sewer separate system	4 $\frac{1}{4}$ s	\$4,000 00
April 1, 1934	Sewer construction	4 $\frac{1}{2}$ s	500 00
April 1, 1934	Main Street widening	4s	29,000 00
May 1, 1934	Sewer	3 $\frac{1}{2}$ s	500 00
May 1, 1934	Cambridge Bridge	4s	2,000 00
June 1, 1934	Cemetery	4s	1,000 00
June 1, 1934	Hospital	4s	2,000 00
June 1, 1934	Sewer construction	4s	500 00
June 1, 1934	Sewer separate system	4s	500 00
June 1, 1934	Building	4 $\frac{1}{4}$ s	1,000 00
June 1, 1934	First Street Bridge	4 $\frac{1}{4}$ s	1,000 00
June 1, 1934	Sewer separate system	4 $\frac{1}{4}$ s	1,500 00
July 1, 1934	Building	4s	4,000 00
July 1, 1934	Sewer	4s	500 00
July 1, 1934	Sewer separate system	4s	500 00
July 1, 1934	Playground	4s	1,000 00
July 1, 1934	Park	4s	1,000 00
July 1, 1934	Street	4s	400 00
July 1, 1934	Sewer separate system	4s	1,000 00
July 1, 1934	Schoolhouse	4 $\frac{1}{2}$ s	5,000 00
July 1, 1934	Building	4 $\frac{1}{2}$ s	4,000 00
July 1, 1934	Sewer	4 $\frac{1}{2}$ s	1,000 00
July 15, 1934	Schoolhouse	4 $\frac{1}{4}$ s	4,000 00
July 15, 1934	Sewer construction	4s	1,000 00
July 15, 1934	Sewer separate system	4s	1,000 00
Sept. 1, 1934	Building	4 $\frac{1}{2}$ s	1,000 00
Sept. 1, 1934	Park	3 $\frac{1}{2}$ s	1,000 00
Sept. 1, 1934	Hospital	4s	3,000 00
Sept. 1, 1934	Park	4s	1,000 00
Sept. 1, 1934	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Sept. 1, 1934	Street	4 $\frac{1}{2}$ s	14,000 00
Sept. 1, 1934	Street construction	4 $\frac{1}{2}$ s	35,000 00
Sept. 1, 1934	Street construction	4 $\frac{1}{2}$ s	6,000 00
Oct. 1, 1934	Sewer construction	4 $\frac{1}{2}$ s	500 00
Oct. 1, 1934	Sewer construction	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1934	Hospital	4 $\frac{1}{2}$ s	8,000 00
Oct. 1, 1934	Sewer	5s	1,000 00
Oct. 1, 1934	Hospital	5s	2,500 00
Oct. 1, 1934	Sewer	5s	1,000 00
Oct. 1, 1934	Sewer	5s	500 00
Oct. 1, 1934	Building	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1934	Sewer construction	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1934	Sewer separate system	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1934	Schoolhouse	4s	13,000 00
Oct. 1, 1934	First Street bridge	4s	4,000 00
Oct. 1, 1934	Sewer construction	4s	500 00
Oct. 1, 1934	Sewer separate system	4s	1,000 00
Oct. 1, 1934	Schoolhouse	4s	1,500 00
Oct. 1, 1934	Schoolhouse	4 $\frac{1}{2}$ s	1,000 00
Oct. 1, 1934	Sixth Street bridge	4s	2,000 00
Oct. 1, 1934	Land for playground	4s	1,000 00
Oct. 1, 1934	Separate system of sewers	4s	2,500 00
Oct. 1, 1934	Street	4 $\frac{1}{4}$ s	31,000 00
Oct. 1, 1934	Land for playground	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1934	Sewer separate system	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1934	Oak Circle extension	4s	500 00

Amount carried forward \$3,150,700 00

<i>Amount brought forward</i>			\$3,150,700 00
Oct. 1, 1934	Church Street widening.....	4s	\$3,500 00
Oct. 1, 1934	Street.....	4s	7,500 00
Oct. 1, 1934	Street.....	4s	30,000 00
Oct. 1, 1934	City of Cambridge, Charles River Bridge, Acts of 1921.....	4s	6,000 00
Oct. 1, 1934	Separate system of sewers.....	4s	1,000 00
Oct. 1, 1934	Street.....	4s	38,000 00
Oct. 1, 1934	Building.....	4s	22,000 00
Oct. 1, 1934	Separate system of sewers.....	4s	1,000 00
Oct. 1, 1934	Street.....	4s	11,000 00
Oct. 1, 1934	Street.....	4 1/4s	35,500 00
Oct. 1, 1934	Building.....	4 1/4s	2,500 00
Oct. 1, 1934	Sewer separate system.....	4 1/4s	500 00
Nov. 1, 1934	Sewer.....	3 1/2s	500 00
Nov. 1, 1934	Additional departmental equip- ment.....	4 1/2s	5,000 00
Nov. 1, 1934	Charles River Bridge. Acts of 1921.....	4 1/2s	18,000 00
Nov. 1, 1934	Northern Traffic Route, Act of 1924.....	4 1/2s	50,000 00
Dec. 1, 1934	Sewer separate system.....	4s	500 00
Dec. 1, 1934	Sewer construction.....	4 1/2s	1,000 00
Dec. 1, 1934	Sewer construction.....	4 1/2s	500 00
Dec. 1, 1934	Street construction.....	4s	5,000 00
Dec. 1, 1934	Building.....	4s	1,000 00
Dec. 1, 1934	Combined street and sewer.....	4s	3,000 00
Dec. 1, 1934	Street.....	3 3/4s	5,000 00
Dec. 1, 1934	City of Cambridge, Charles River bridge, Acts of 1921.....	3 3/4s	5,000 00
Dec. 1, 1934	Building.....	3 3/4s	7,000 00
Dec. 1, 1934	Third Street bridge.....	3 3/4s	2,500 00
Dec. 1, 1934	Street.....	4 1/4s	9,000 00
Dec. 1, 1934	Schoolhouse.....	4 1/4s	35,000 00
Dec. 1, 1934	Building.....	4 1/4s	3,000 00
Dec. 1, 1934	City Hospital, Acts of 1929.....	4 1/2s	35,000 00
Dec. 1, 1934	School, Acts of 1928.....	4 1/2s	20,000 00
Dec. 1, 1934	Street.....	4 1/2s	3,000 00
Jan. 1, 1935	Sewer.....	4s	500 00
Jan. 1, 1935	Schoolhouse.....	4s	3,250 00
Feb. 1, 1935	Building (schoolhouse).....	4s	500 00
Mar. 1, 1935	Hospital.....	4s	4,500 00
Mar. 1, 1935	Building.....	4s	2,000 00
Mar. 1, 1935	Land for playground.....	4s	500 00
Mar. 1, 1935	Sewer separate system.....	4s	1,500 00
Mar. 1, 1935	Sewer separate system.....	4s	2,000 00
Mar. 1, 1935	Sewer separate system.....	3 3/4s	3,000 00
Mar. 1, 1935	Land for playground.....	4s	300 00
Mar. 1, 1935	Sewer separate system.....	4 1/4s	4,000 00
April 1, 1935	Sewer construction.....	4 1/2s	500 00
April 1, 1935	Main Street, Broadway widening.....	4s	29,000 00
May 1, 1935	Sewer.....	3 1/2s	500 00
May 1, 1935	Cambridge Bridge.....	4s	2,000 00
June 1, 1935	Cemetery.....	4s	1,000 00
June 1, 1935	Hospital building.....	4s	2,000 00
June 1, 1935	Sewer construction.....	4s	500 00
June 1, 1935	Sewer separate system.....	4s	500 00
June 1, 1935	Building.....	4 1/4s	1,000 00
June 1, 1935	First Street bridge.....	4 1/4s	1,000 00

Amount carried forward..... \$3,578,250 00

<i>Amount brought forward</i>			\$3,578,250 00
June 1, 1935	Sewer separate system	4 $\frac{1}{4}$ s	\$1,500 00
July 1, 1935	Building	4s	4,000 00
July 1, 1935	Sewer	4s	500 00
July 1, 1935	Sewer separate system	4s	500 00
July 1, 1935	Playground	4s	1,000 00
July 1, 1935	Park	4s	1,000 00
July 1, 1935	Sewer separate system	4s	1,000 00
July 1, 1935	Schoolhouse	4 $\frac{1}{2}$ s	5,000 00
July 1, 1935	Building	4 $\frac{1}{2}$ s	4,000 00
July 1, 1935	Sewer	4 $\frac{1}{2}$ s	1,000 00
July 15, 1935	Schoolhouse	4 $\frac{1}{4}$ s	4,000 00
July 15, 1935	Sewer construction	4s	1,000 00
July 15, 1935	Sewer separate system	4s	1,000 00
Sept. 1, 1935	Building	4 $\frac{1}{2}$ s	1,000 00
Sept. 1, 1935	Park	3 $\frac{1}{2}$ s	1,000 00
Sept. 1, 1935	Park	4s	1,000 00
Sept. 1, 1935	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Sept. 1, 1935	Street	4 $\frac{1}{2}$ s	13,000 00
Sept. 1, 1935	Street construction	4 $\frac{1}{2}$ s	35,000 00
Oct. 1, 1935	Sewer construction	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1935	Hospital	4 $\frac{1}{2}$ s	8,000 00
Oct. 1, 1935	Sewer	5s	1,000 00
Oct. 1, 1935	Hospital	5s	2,500 00
Oct. 1, 1935	Sewer	5s	1,000 00
Oct. 1, 1935	Sewer	5s	500 00
Oct. 1, 1935	Building	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1935	Sewer construction	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1935	Sewer separate system	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1935	Schoolhouse	4s	13,000 00
Oct. 1, 1935	First Street bridge	4s	4,000 00
Oct. 1, 1935	Sewer construction	4s	500 00
Oct. 1, 1935	Sewer separate system	4s	1,000 00
Oct. 1, 1935	Sixth Street bridge	4s	2,000 00
Oct. 1, 1935	Land for playground	4s	1,000 00
Oct. 1, 1935	Separate system of sewers	4s	2,500 00
Oct. 1, 1935	Street	4 $\frac{1}{4}$ s	31,000 00
Oct. 1, 1935	Land for playground	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1935	Sewer separate system	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1935	Church Street widening	4s	3,500 00
Oct. 1, 1935	Schoolhouse	4s	1,000 00
Oct. 1, 1935	Street	4s	7,500 00
Oct. 1, 1935	Street	4s	30,000 00
Oct. 1, 1935	City of Cambridge, Charles River Bridge, Acts of 1921	4s	5,000 00
Oct. 1, 1935	Separate system of sewers	4s	1,000 00
Oct. 1, 1935	Street	4s	38,000 00
Oct. 1, 1935	Building	4s	22,000 00
Oct. 1, 1935	Separate system of sewers	4s	1,000 00
Oct. 1, 1935	Street	4 $\frac{1}{4}$ s	35,500 00
Oct. 1, 1935	Building	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1935	Sewer separate system	4 $\frac{1}{4}$ s	500 00
Nov. 1, 1935	Sewer	3 $\frac{1}{2}$ s	500 00
Nov. 1, 1935	Charles River Bridge, Act of 1921	4 $\frac{1}{2}$ s	18,000 00
Nov. 1, 1935	Northern Traffic Route, Act of 1924	4 $\frac{1}{4}$ s	50,000 00
Dec. 1, 1935	Sewer separate system	4s	500 00
Dec. 1, 1935	Sewer construction	4 $\frac{1}{2}$ s	1,000 00
Dec. 1, 1935	Sewer construction	4 $\frac{1}{2}$ s	500 00

Amount carried forward \$3,953,750 00

<i>Amount brought forward</i>			\$3,953,750 00
Dec. 1, 1935	Building	4s	\$1,000 00
Dec. 1, 1935	Combined street and sewer	4s	3,000 00
Dec. 1, 1935	Street	3 $\frac{3}{4}$ s	5,000 00
Dec. 1, 1935	City of Cambridge, Charles River Bridge, Acts of 1921	3 $\frac{3}{4}$ s	5,000 00
Dec. 1, 1935	Building	3 $\frac{3}{4}$ s	7,000 00
Dec. 1, 1935	Third Street Bridge	3 $\frac{3}{4}$ s	2,500 00
Dec. 1, 1935	Street	4 $\frac{1}{4}$ s	9,000 00
Dec. 1, 1935	Schoolhouse	4 $\frac{1}{4}$ s	35,000 00
Dec. 1, 1935	Building	4 $\frac{1}{4}$ s	3,000 00
Dec. 1, 1935	City Hospital, Acts of 1929	4 $\frac{1}{2}$ s	35,000 00
Dec. 1, 1935	School, Acts of 1928	4 $\frac{1}{2}$ s	20,000 00
Jan. 1, 1936	Sewer	4s	500 00
Feb. 1, 1936	Building (schoolhouse)	4s	500 00
Mar. 1, 1936	Hospital	4s	4,500 00
Mar. 1, 1936	Building	4s	2,000 00
Mar. 1, 1936	Land for playground	4s	500 00
Mar. 1, 1936	Sewer separate system	4s	1,500 00
Mar. 1, 1936	Sewer separate system	4s	2,000 00
Mar. 1, 1936	Sewer separate system	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1936	Land for playground	4s	300 00
Mar. 1, 1936	Sewer separate system	4 $\frac{1}{4}$ s	4,000 00
April 1, 1936	Sewer construction	4 $\frac{1}{2}$ s	500 00
April 1, 1936	Main Street, Broadway widening	4s	29,000 00
May 1, 1936	Sewer	3 $\frac{1}{2}$ s	500 00
May 1, 1936	Cambridge Bridge	4s	2,000 00
June 1, 1936	Cemetery	4s	1,000 00
June 1, 1936	Hospital building	4s	2,000 00
June 1, 1936	Sewer construction	4s	500 00
June 1, 1936	Sewer separate system	4s	500 00
June 1, 1936	Building	4 $\frac{1}{4}$ s	1,000 00
June 1, 1936	First Street Bridge	4 $\frac{1}{4}$ s	1,000 00
June 1, 1936	Sewer separate system	4 $\frac{1}{4}$ s	1,500 00
July 1, 1936	Sewer	4s	500 00
July 1, 1936	Sewer separate system	4s	500 00
July 1, 1936	Sewer separate system	4s	1,000 00
July 1, 1936	Park	4s	1,000 00
July 1, 1936	Schoolhouse	4 $\frac{1}{2}$ s	5,000 00
July 1, 1936	Building	4 $\frac{1}{2}$ s	4,000 00
July 1, 1936	Sewer	4 $\frac{1}{2}$ s	1,000 00
July 1, 1936	Playground	4s	500 00
July 15, 1936	Schoolhouse	4 $\frac{1}{4}$ s	4,000 00
July 15, 1936	Sewer construction	4s	1,000 00
July 15, 1936	Sewer separate system	4s	1,000 00
Sept. 1, 1936	Park	4s	1,000 00
Sept. 1, 1936	Building	4 $\frac{1}{2}$ s	1,000 00
Sept. 1, 1936	Park	3 $\frac{1}{2}$ s	1,000 00
Sept. 1, 1936	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Sept. 1, 1936	Street	4 $\frac{1}{2}$ s	13,000 00
Sept. 1, 1936	Street	4 $\frac{1}{2}$ s	35,000 00
Oct. 1, 1936	Sewer construction	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1936	Hospital	4 $\frac{1}{2}$ s	8,000 00
Oct. 1, 1936	Sewer	5s	1,000 00
Oct. 1, 1936	Hospital	5s	2,500 00
Oct. 1, 1936	Sewer	5s	1,000 00
Oct. 1, 1936	Sewer	5s	500 00
Oct. 1, 1936	Schoolhouse	4s	1,000 00
<i>Amount carried forward</i>			\$4,226,550 00

<i>Amount brought forward</i>			\$4,226,550 00
Oct. 1, 1936	Building	4½s	\$2,000 00
Oct. 1, 1936	Sewer construction	4½s	2,000 00
Oct. 1, 1936	Sewer separate system	4½s	1,500 00
Oct. 1, 1936	Schoolhouse	4s	13,000 00
Oct. 1, 1936	First Street Bridge	4s	4,000 00
Oct. 1, 1936	Sewer construction	4s	500 00
Oct. 1, 1936	Sewer separate system	4s	1,000 00
Oct. 1, 1936	Sixth Street Bridge	4s	2,000 00
Oct. 1, 1936	Land for playground	4s	1,000 00
Oct. 1, 1936	Separate system of sewers	4s	2,500 00
Oct. 1, 1936	Land for playground	4¼s	500 00
Oct. 1, 1936	Sewer separate system	4¼s	2,500 00
Oct. 1, 1936	Church Street widening	4s	3,500 00
Oct. 1, 1936	Street	4s	7,500 00
Oct. 1, 1936	Street	4s	30,000 00
Oct. 1, 1936	City of Cambridge, Charles River Bridge, Acts of 1921	4s	5,000 00
Oct. 1, 1936	Separate system of Sewers	4s	1,000 00
Oct. 1, 1936	Street	4s	38,000 00
Oct. 1, 1936	Building	4s	22,000 00
Oct. 1, 1936	Separate system of sewers	4s	1,000 00
Oct. 1, 1936	Street	4¼s	35,500 00
Oct. 1, 1936	Building	4¼s	2,500 00
Oct. 1, 1936	Sewer Separate System	4¼s	500 00
Nov. 1, 1936	Sewer	3½s	500 00
Nov. 1, 1936	Charles River Bridge, Acts of 1921	4½s	18,000 00
Nov. 1, 1936	Northern Traffic Route, Act of 1924	4½s	50,000 00
Dec. 1, 1936	City Hospital, Acts of 1929	4½s	35,000 00
Dec. 1, 1936	Sewer separate system	4s	500 00
Dec. 1, 1936	Sewer construction	4½s	500 00
Dec. 1, 1936	Sewer construction	4½s	1,000 00
Dec. 1, 1936	Building	4s	1,000 00
Dec. 1, 1936	Combined street and sewer	4s	3,000 00
Dec. 1, 1936	Street	3¾s	5,000 00
Dec. 1, 1936	City of Cambridge, Charles River Bridge, Acts of 1921	3¾s	5,000 00
Dec. 1, 1936	Building	3¾s	7,000 00
Dec. 1, 1936	Third Street Bridge	3¾s	2,500 00
Dec. 1, 1936	Street	4¼s	9,000 00
Dec. 1, 1936	Schoolhouse	4¼s	35,000 00
Dec. 1, 1936	Building	4¼s	3,000 00
Dec. 1, 1936	School, Acts of 1928	4½s	20,000 00
Jan. 1, 1937	Sewer	4s	500 00
Mar. 1, 1937	Land for playground	4s	500 00
Mar. 1, 1937	Sewer separate system	4s	1,500 00
Mar. 1, 1937	Sewer separate system	4s	2,000 00
Mar. 1, 1937	Sewer separate system	3¾s	3,000 00
Mar. 1, 1937	Sewer separate system	4¼s	4,000 00
April 1, 1937	Sewer construction	4½s	500 00
April 1, 1937	Main Street, Broadway widening	4s	29,000 00
May 1, 1937	Sewer	3½s	500 00
May 1, 1937	Cambridge Bridge	4s	2,000 00
June 1, 1937	Cemetery	4s	1,000 00
June 1, 1937	Hospital building	4s	2,000 00
June 1, 1937	Sewer construction	4s	500 00
June 1, 1937	Sewer separate system	4s	500 00
June 1, 1937	Building	4¼s	1,000 00
<i>Amount carried forward</i>			\$4,650,050 00

<i>Amount brought forward</i>			\$4,650,050 00
June 1, 1937	First Street Bridge.....	4 $\frac{1}{4}$ s	\$1,000 00
June 1, 1937	Sewer separate system.....	4 $\frac{1}{4}$ s	1,500 00
July 1, 1937	Sewer separate system.....	4s	500 00
July 1, 1937	Sewer.....	4s	500 00
July 1, 1937	Sewer separate system.....	4s	1,000 00
July 1, 1937	Park.....	4s	1,000 00
July 1, 1937	Schoolhouse.....	4 $\frac{1}{2}$ s	5,000 00
July 1, 1937	Building.....	4 $\frac{1}{2}$ s	4,000 00
July 1, 1937	Sewer.....	4 $\frac{1}{2}$ s	1,000 00
July 1, 1937	Playground.....	4s	500 00
July 15, 1937	Schoolhouse.....	4 $\frac{1}{4}$ s	4,000 00
July 15, 1937	Sewer construction.....	4s	1,000 00
July 15, 1937	Sewer separate system.....	4s	1,000 00
Sept. 1, 1937	Building.....	4 $\frac{1}{2}$ s	1,000 00
Sept. 1, 1937	Park.....	3 $\frac{1}{2}$ s	1,000 00
Sept. 1, 1937	Park.....	4s	1,000 00
Sept. 1, 1937	Sewer separate system.....	4 $\frac{1}{2}$ s	3,000 00
Sept. 1, 1937	Street.....	4 $\frac{1}{2}$ s	13,000 00
Sept. 1, 1937	Street.....	4 $\frac{1}{2}$ s	35,000 00
Oct. 1, 1937	Sewer construction.....	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1937	Hospital.....	4 $\frac{1}{2}$ s	8,000 00
Oct. 1, 1937	Sewer.....	5s	1,000 00
Oct. 1, 1937	Hospital.....	5s	2,500 00
Oct. 1, 1937	Sewer.....	5s	1,000 00
Oct. 1, 1937	Sewer.....	5s	500 00
Oct. 1, 1937	Building.....	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1937	Sewer construction.....	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1937	Sewer separate system.....	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1937	Schoolhouse.....	4s	13,000 00
Oct. 1, 1937	First Street bridge.....	4s	4,000 00
Oct. 1, 1937	Sewer construction.....	4s	500 00
Oct. 1, 1937	Sewer separate system.....	4s	1,000 00
Oct. 1, 1937	Sixth Street bridge.....	4s	2,000 00
Oct. 1, 1937	Land for playground.....	4s	1,000 00
Oct. 1, 1937	Separate system of sewers.....	4s	2,500 00
Oct. 1, 1937	Land for playground.....	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1937	Sewer separate system.....	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1937	City of Cambridge, Charles River bridge, Acts of 1921.....	4s	5,000 00
Oct. 1, 1937	Separate system of sewers.....	4s	1,000 00
Oct. 1, 1937	Street.....	4s	38,000 00
Oct. 1, 1937	Building.....	4s	22,000 00
Oct. 1, 1937	Separate system of sewers.....	4s	1,000 00
Oct. 1, 1937	Schoolhouse.....	4s	1,000 00
Oct. 1, 1937	Street.....	4 $\frac{1}{4}$ s	35,500 00
Oct. 1, 1937	Building.....	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1937	Sewer separate system.....	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1937	Charles River bridge, Acts of 1921.....	4 $\frac{1}{2}$ s	18,000 00
Oct. 1, 1937	Northern traffic route, Act of 1924.....	4 $\frac{1}{2}$ s	50,000 00
Dec. 1, 1937	Sewer separate system.....	4s	500 00
Dec. 1, 1937	Sewer construction.....	4 $\frac{1}{2}$ s	1,000 00
Dec. 1, 1937	Sewer construction.....	4 $\frac{1}{2}$ s	500 00
Dec. 1, 1937	Building.....	4s	1,000 00
Dec. 1, 1937	Street.....	3 $\frac{3}{4}$ s	5,000 00
Dec. 1, 1937	City of Cambridge, Charles River bridge, Acts of 1921.....	3 $\frac{3}{4}$ s	5,000 00
Dec. 1, 1937	Building.....	3 $\frac{3}{4}$ s	7,000 00
<i>Amount carried forward</i>			\$4,967,550 00

<i>Amount brought forward</i>			\$4,967,550 00
Dec. 1, 1937	Third Street bridge	3 $\frac{3}{4}$ s	\$2,500 00
Dec. 1, 1937	Street	4 $\frac{1}{4}$ s	9,000 00
Dec. 1, 1937	Schoolhouse	4 $\frac{1}{4}$ s	35,000 00
Dec. 1, 1937	Building	4 $\frac{1}{4}$ s	3,000 00
Dec. 1, 1937	City Hospital, Acts of 1929	4 $\frac{1}{2}$ s	35,000 00
Dec. 1, 1937	School	4 $\frac{1}{2}$ s	20,000 00
Jan. 1, 1938	Sewer	4s	500 00
Mar. 1, 1938	Land for playground	4s	500 00
Mar. 1, 1938	Sewer separate system	4s	1,500 00
Mar. 1, 1938	Sewer separate system	4s	2,000 00
Mar. 1, 1938	Sewer separate system	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1938	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
May 1, 1938	Sewer	3 $\frac{1}{2}$ s	500 00
May 1, 1938	Cambridge bridge	4s	2,000 00
June 1, 1938	Hospital building	4s	2,000 00
June 1, 1938	Sewer construction	4s	500 00
June 1, 1938	Sewer separate system	4s	500 00
June 1, 1938	Building	4 $\frac{1}{4}$ s	1,000 00
June 1, 1938	Sewer separate system	4 $\frac{1}{4}$ s	1,500 00
June 1, 1938	First Street bridge	4 $\frac{1}{4}$ s	1,000 00
July 1, 1938	Sewer	4s	500 00
July 1, 1938	Sewer separate system	4s	500 00
July 1, 1938	Sewer separate system	4s	1,000 00
July 1, 1938	Park	4s	1,000 00
July 1, 1938	Sewer	4 $\frac{1}{2}$ s	1,000 00
July 1, 1938	Playground	4s	500 00
July 15, 1938	Schoolhouse	4 $\frac{1}{4}$ s	4,000 00
July 15, 1938	Sewer construction	4s	1,000 00
July 15, 1938	Sewer separate system	4s	1,000 00
Sept. 1, 1938	Park	3 $\frac{1}{2}$ s	1,000 00
Sept. 1, 1938	Park	4s	1,000 00
Sept. 1, 1938	Sewer separare system	4 $\frac{1}{2}$ s	3,000 00
Sept. 1, 1938	Street	4 $\frac{1}{2}$ s	13,000 00
Sept. 1, 1938	Street	4 $\frac{1}{2}$ s	35,000 00
Oct. 1, 1938	Sewer construction	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1938	Hospital	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1938	Sewer	5s	1,000 00
Oct. 1, 1938	Hospital	5s	2,500 00
Oct. 1, 1938	Sewer	5s	1,000 00
Oct. 1, 1938	Sewer	5s	500 00
Oct. 1, 1938	Building	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1938	Sewer construction	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1938	Sewer separate system	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1938	Schoolhouse	4s	13,000 00
Oct. 1, 1938	First Street bridge	4s	4,000 00
Oct. 1, 1938	Sewer construction	4s	500 00
Oct. 1, 1938	Sewer separate system	4s	1,000 00
Oct. 1, 1938	Sixth Street bridge	4s	2,000 00
Oct. 1, 1938	Land for playground	4s	1,000 00
Oct. 1, 1938	Separate system of sewers	4s	2,500 00
Oct. 1, 1938	Land for playground	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1938	Sewer separate system	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1938	City of Cambridge, Charles River bridge, Acts of 1921	4s	5,000 00
Oct. 1, 1938	Separate system of sewers	4s	1,000 00
Oct. 1, 1938	Building	4s	22,000 00
Oct. 1, 1938	Separate system of sewers	4s	1,000 00

Amount carried forward \$5,226,050 00

<i>Amount brought forward</i>			\$5,226,050 00
Oct. 1, 1938	Schoolhouse	4s	\$1,000 00
Oct. 1, 1938	Street	4 $\frac{1}{4}$ s	35,500 00
Oct. 1, 1938	Building	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1938	Sewer separate system	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1938	Charles River bridge, Act of 1921 ..	4 $\frac{1}{2}$ s	18,000 00
Oct. 1, 1938	Northern traffic route, Act of 1924 ..	4 $\frac{1}{2}$ s	50,000 00
Dec. 1, 1938	Sewer separate system	4s	500 00
Dec. 1, 1938	Sewer construction	4 $\frac{1}{2}$ s	1,000 00
Dec. 1, 1938	Sewer construction	4 $\frac{1}{2}$ s	500 00
Dec. 1, 1938	Building	4s	1,000 00
Dec. 1, 1938	City of Cambridge, Charles River bridge, Acts of 1921	3 $\frac{3}{4}$ s	5,000 00
Dec. 1, 1938	Building	3 $\frac{3}{4}$ s	7,000 00
Dec. 1, 1938	Third Street bridge	3 $\frac{3}{4}$ s	2,500 00
Dec. 1, 1938	Street	4 $\frac{1}{4}$ s	4,000 00
Dec. 1, 1938	Schoolhouse	4 $\frac{1}{4}$ s	35,000 00
Dec. 1, 1938	Building	4 $\frac{1}{4}$ s	3,000 00
Dec. 1, 1938	City Hospital, Acts of 1929	4 $\frac{1}{2}$ s	35,000 00
Dec. 1, 1938	School, Acts of 1928	4 $\frac{1}{2}$ s	20,000 00
Jan. 1, 1939	Sewer	4s	500 00
Mar. 1, 1939	Land for playground	4s	500 00
Mar. 1, 1939	Sewer separate system	4s	1,500 00
Mar. 1, 1939	Sewer separate system	4s	2,000 00
Mar. 1, 1939	Sewer separate system	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1939	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
May 1, 1939	Sewer	3 $\frac{1}{2}$ s	500 00
May 1, 1939	Cambridge bridge	4s	2,000 00
June 1, 1939	Hospital building	4s	2,000 00
June 1, 1939	Sewer construction	4s	500 00
June 1, 1939	Sewer separate system	4s	500 00
June 1, 1939	Building	4 $\frac{1}{4}$ s	1,000 00
June 1, 1939	Sewer separate system	4 $\frac{1}{4}$ s	1,500 00
June 1, 1939	First Street bridge	4 $\frac{1}{4}$ s	1,000 00
July 1, 1939	Sewer	4s	500 00
July 1, 1939	Sewer separate system	4s	500 00
July 1, 1939	Park	4s	1,000 00
July 1, 1939	Sewer separate system	4s	1,000 00
July 1, 1939	Sewer	4 $\frac{1}{2}$ s	1,000 00
July 1, 1939	Playground	4s	500 00
July 15, 1939	Schoolhouse	4 $\frac{1}{4}$ s	4,000 00
July 15, 1939	Sewer construction	4s	1,000 00
July 15, 1939	Sewer separate system	4s	1,000 00
Sept. 1, 1939	Park	3 $\frac{1}{2}$ s	1,000 00
Sept. 1, 1939	Park	4s	1,000 00
Sept. 1, 1939	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Sept. 1, 1939	Street	4 $\frac{1}{2}$ s	13,000 00
Sept. 1, 1939	Street	4 $\frac{1}{2}$ s	35,000 00
Oct. 1, 1939	Sewer construction	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1939	Hospital	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1939	Sewer	5s	1,000 00
Oct. 1, 1939	Hospital	5s	2,500 00
Oct. 1, 1939	Sewer	5s	1,000 00
Oct. 1, 1939	Sewer	5s	500 00
Oct. 1, 1939	Building	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1939	Sewer construction	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1939	Sewer separate system	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1939	Schoolhouse	4s	13,000 00
<i>Amount carried forward</i>			\$5,559,050 00

<i>Amount brought forward</i>			\$5,559,050 00
Oct. 1, 1939	First Street Bridge	4s	\$4,000 00
Oct. 1, 1939	Sewer construction	4s	500 00
Oct. 1, 1939	Sewer separate system	4s	1,000 00
Oct. 1, 1939	Sixth Street Bridge	4s	2,000 00
Oct. 1, 1939	Land for playground	4s	1,000 00
Oct. 1, 1939	Separate system of sewers	4s	2,500 00
Oct. 1, 1939	Land for playground	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1939	Sewer separate system	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1939	City of Cambridge, Charles River		
	Bridge, Acts of 1921	4s	5,000 00
Oct. 1, 1939	Separate system of sewers	4s	1,000 00
Oct. 1, 1939	Building	4s	22,000 00
Oct. 1, 1939	Separate system of sewers	4s	1,000 00
Oct. 1, 1939	Schoolhouse	4s	1,000 00
Oct. 1, 1939	Building	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1939	Sewer separate system	4 $\frac{1}{4}$ s	500 00
Nov. 1, 1939	Charles River Bridge, Act of 1921	4 $\frac{1}{2}$ s	18,000 00
Nov. 1, 1939	Northern Traffic Route, Act of 1924	4 $\frac{1}{2}$ s	50,000 00
Dec. 1, 1939	Sewer separate system	4s	500 00
Dec. 1, 1939	Sewer construction	4 $\frac{1}{2}$ s	500 00
Dec. 1, 1939	Building	4s	1,000 00
Dec. 1, 1939	City of Cambridge, Charles River		
	Bridge, Acts of 1921	3 $\frac{3}{4}$ s	5,000 00
Dec. 1, 1939	Building	3 $\frac{3}{4}$ s	7,000 00
Dec. 1, 1939	Third Street Bridge	3 $\frac{3}{4}$ s	2,500 00
Dec. 1, 1939	Schoolhouse	4 $\frac{1}{4}$ s	35,000 00
Dec. 1, 1939	Building	4 $\frac{1}{4}$ s	2,000 00
Dec. 1, 1939	City Hospital, Acts of 1929	4 $\frac{1}{2}$ s	35,000 00
Dec. 1, 1939	School, Acts of 1928	4 $\frac{1}{2}$ s	20,000 00
Jan. 1, 1940	Sewer	4s	500 00
Mar. 1, 1940	Land for playground	4s	500 00
Mar. 1, 1940	Sewer separate system	4s	1,500 00
Mar. 1, 1940	Sewer separate system	4s	2,000 00
Mar. 1, 1940	Sewer separate system	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1940	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
May 1, 1940	Sewer	3 $\frac{1}{2}$ s	500 00
May 1, 1940	Cambridge Bridge	4s	2,000 00
June 1, 1940	Hospital building	4s	2,000 00
June 1, 1940	Sewer construction	4s	500 00
June 1, 1940	Sewer separate system	4s	500 00
June 1, 1940	Building	4 $\frac{1}{4}$ s	1,000 00
June 1, 1940	Sewer separate system	4 $\frac{1}{4}$ s	1,500 00
June 1, 1940	First Street Bridge	4 $\frac{1}{4}$ s	1,000 00
July 1, 1940	Sewer	4s	500 00
July 1, 1940	Sewer separate system	4s	500 00
July 1, 1940	Park	4s	1,000 00
July 1, 1940	Sewer	4 $\frac{1}{2}$ s	1,000 00
July 1, 1940	Playground	4s	500 00
July 1, 1940	Sewer separate system	4s	1,000 00
July 15, 1940	Schoolhouse	4 $\frac{1}{4}$ s	4,000 00
July 15, 1940	Sewer construction	4s	1,000 00
July 15, 1940	Sewer separate system	4s	1,000 00
Sept. 1, 1940	Park	3 $\frac{1}{2}$ s	1,000 00
Sept. 1, 1940	Park	4s	1,000 00
Sept. 1, 1940	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1940	Sewer construction	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1940	Sewer	5s	1,000 00
<i>Amount carried forward</i>			\$5,820,050 00

<i>Amount brought forward</i>			\$5,820,050 00
Oct. 1, 1940	Hospital	5s	\$2,500 00
Oct. 1, 1940	Sewer	5s	1,000 00
Oct. 1, 1940	Sewer	5s	500 00
Oct. 1, 1940	Building	4½s	2,000 00
Oct. 1, 1940	Sewer construction	4½s	2,000 00
Oct. 1, 1940	Sewer separate system	4½s	1,500 00
Oct. 1, 1940	Schoolhouse	4s	13,000 00
Oct. 1, 1940	First Street Bridge	4s	4,000 00
Oct. 1, 1940	Sewer construction	4s	500 00
Oct. 1, 1940	Sewer separate system	4s	1,000 00
Oct. 1, 1940	Land for playground	4s	1,000 00
Oct. 1, 1940	Sewer separate system	4s	2,500 00
Oct. 1, 1940	Land for playground	4¼s	500 00
Oct. 1, 1940	Sewer separate system	4¼s	2,500 00
Oct. 1, 1940	City of Cambridge, Charles River Bridge, Acts of 1921	4s	5,000 00
Oct. 1, 1940	Building	4s	22,000 00
Oct. 1, 1940	Separate system of sewers	4s	1,000 00
Oct. 1, 1940	Separate system of sewers	4s	1,000 00
Oct. 1, 1940	Sixth Street Bridge	4s	2,000 00
Oct. 1, 1940	Schoolhouse	4s	1,000 00
Oct. 1, 1940	Building	4¼s	2,500 00
Oct. 1, 1940	Sewer separate system	4¼s	500 00
Oct. 1, 1940	Charles River bridge, Acts of 1921	4½s	18,000 00
Dec. 1, 1940	Sewer separate system	4s	500 00
Dec. 1, 1940	Sewer construction	4½s	500 00
Dec. 1, 1940	City of Cambridge, Charles River Bridge, Acts of 1921	3¾s	5,000 00
Dec. 1, 1940	Building	3¾s	7,000 00
Dec. 1, 1940	Third Street Bridge	3¾s	2,500 00
Dec. 1, 1940	Schoolhouse	4¼s	35,000 00
Dec. 1, 1940	Building	4¼s	2,000 00
Dec. 1, 1940	Schoolhouse, Acts of 1928	4½s	20,000 00
Dec. 1, 1940	City Hospital, Acts of 1929	4½s	30,000 00
Jan. 1, 1941	Sewer	4s	500 00
Mar. 1, 1941	Land for playground	4s	500 00
Mar. 1, 1941	Sewer separate system	4s	1,500 00
Mar. 1, 1941	Sewer separate system	4s	2,000 00
Mar. 1, 1941	Separate system of sewers	3¾s	3,000 00
Mar. 1, 1941	Sewer separate system	4¼s	3,000 00
May 1, 1941	Cambridge Bridge	4s	2,000 00
May 1, 1941	Sewer	3½s	500 00
June 1, 1941	Hospital building	4s	2,000 00
June 1, 1941	Sewer construction	4s	500 00
June 1, 1941	Sewer separate system	4s	500 00
June 1, 1941	Building	4¼s	1,000 00
June 1, 1941	First Street Bridge	4¼s	1,000 00
June 1, 1941	Sewer separate system	4¼s	1,500 00
July 1, 1941	Sewer	4s	500 00
July 1, 1941	Sewer separate system	4s	500 00
July 1, 1941	Sewer separate system	4s	1,000 00
July 1, 1941	Sewer	4½s	1,000 00
July 1, 1941	Playground	4s	500 00
July 15, 1941	Schoolhouse	4¼s	4,000 00
July 15, 1941	Sewer construction	4s	1,000 00
July 15, 1941	Sewer separate system	4s	1,000 00
Sept. 1, 1941	Park	4s	1,000 00
<i>Amount carried forward</i>			\$6,040,050 00

<i>Amount brought forward</i>			\$6,040,050 00
Sept. 1, 1941	Park	3½s	\$1,000 00
Sept. 1, 1941	Sewer separate system	4½s	3,000 00
Oct. 1, 1941	Sewer construction	4½s	1,500 00
Oct. 1, 1941	Sewer	5s	1,000 00
Oct. 1, 1941	Sewer	5s	500 00
Oct. 1, 1941	Building	4½s	2,000 00
Oct. 1, 1941	Sewer construction	4½s	2,000 00
Oct. 1, 1941	Sewer separate system	4½s	1,500 00
Oct. 1, 1941	Schoolhouse	4s	13,000 00
Oct. 1, 1941	First Street Bridge	4s	4,000 00
Oct. 1, 1941	Sewer construction	4s	500 00
Oct. 1, 1941	Sewer separate system	4s	1,000 00
Oct. 1, 1941	Land for playground	4s	1,000 00
Oct. 1, 1941	Separate system of sewers	4s	2,500 00
Oct. 1, 1941	Land for playground	4¼s	500 00
Oct. 1, 1941	Sewer separate system	4¼s	2,500 00
Oct. 1, 1941	City of Cambridge, Charles River bridge, Acts of 1921	4s	5,000 00
Oct. 1, 1941	Separate system of sewers	4s	1,000 00
Oct. 1, 1941	Building	4s	22,000 00
Oct. 1, 1941	Separate system of sewers	4s	1,000 00
Oct. 1, 1941	Sixth Street bridge	4s	2,000 00
Oct. 1, 1941	Schoolhouse	4s	1,000 00
Oct. 1, 1941	Building	4¼s	2,500 00
Oct. 1, 1941	Sewer separate System	4¼s	500 00
Oct. 1, 1941	Charles River Bridge, Acts of 1921	4½s	18,000 00
Dec. 1, 1941	Sewer separate system	4s	500 00
Dec. 1, 1941	Sewer construction	4½s	500 00
Dec. 1, 1941	City of Cambridge, Charles River bridge, Acts of 1921	3¾s	5,000 00
Dec. 1, 1941	Building	3¾s	7,000 00
Dec. 1, 1941	Third Street bridge	3¾s	2,500 00
Dec. 1, 1941	Schoolhouse	4¼s	31,000 00
Dec. 1, 1941	Schoolhouse, Acts of 1928	4½s	20,000 00
Dec. 1, 1941	City Hospital, Acts of 1929	4½s	30,000 00
Dec. 1, 1941	Building	4¼s	2,000 00
Jan. 1, 1942	Sewer	4s	500 00
Mar. 1, 1942	Land for playground	4s	500 00
Mar. 1, 1942	Sewer separate system	4s	1,500 00
Mar. 1, 1942	Sewer separate system	4s	2,000 00
Mar. 1, 1942	Sewer separate system	3¾s	3,000 00
Mar. 1, 1942	Sewer separate system	4¼s	3,000 00
May 1, 1942	Sewer	3½s	500 00
May 1, 1942	Cambridge bridge	4s	2,000 00
June 1, 1942	Hospital building	4s	2,000 00
June 1, 1942	Sewer construction	4s	500 00
June 1, 1942	Sewer separate system	4s	500 00
June 1, 1942	Sewer separate system	4¼s	1,500 00
June 1, 1942	First Street bridge	4¼s	1,000 00
July 1, 1942	Sewer	4s	500 00
July 1, 1942	Sewer separate system	4s	500 00
July 1, 1942	Sewer separate system	4s	1,000 00
July 1, 1942	Playground	4s	500 00
July 1, 1942	Sewer	4½s	1,000 00
July 15, 1942	Schoolhouse	4¼s	4,000 00
July 15, 1942	Sewer construction	4s	1,000 00

Amount carried forward \$6,256,050 00

<i>Amount brought forward</i>		\$6,256,050 00
July 15, 1942	Sewer separate system4s	\$1,000 00
Sept. 1, 1942	Park3½s	1,000 00
Sept. 1, 1942	Park4s	1,000 00
Sept. 1, 1942	Sewer separate system4½s	3,000 00
Oct. 1, 1942	Sewer construction4½s	1,500 00
Oct. 1, 1942	Sewer5s	1,000 00
Oct. 1, 1942	Sewer5s	500 00
Oct. 1, 1942	Schoolhouse4s	1,000 00
Oct. 1, 1942	Schoolhouse4s	13,000 00
Oct. 1, 1942	Sewer construction4½s	2,000 00
Oct. 1, 1942	Sewer separate system4½s	1,500 00
Oct. 1, 1942	First Street bridge4s	4,000 00
Oct. 1, 1942	Sewer construction4s	500 00
Oct. 1, 1942	Sewer separate system4s	1,000 00
Oct. 1, 1942	Land for playground4s	1,000 00
Oct. 1, 1942	Separate system of sewers4s	2,500 00
Oct. 1, 1942	Land for playground4¼s	500 00
Oct. 1, 1942	Sewer separate system4¼s	2,500 00
Oct. 1, 1942	City of Cambridge, Charles River bridge, Acts of 19214s	5,000 00
Oct. 1, 1942	Separate system of sewers4s	1,000 00
Oct. 1, 1942	Building4s	22,000 00
Oct. 1, 1942	Separate system of sewers4s	1,000 00
Oct. 1, 1942	Sixth Street bridge4s	2,000 00
Oct. 1, 1942	Building4¼s	2,500 00
Oct. 1, 1942	Sewer separate system4¼s	500 00
Oct. 1, 1942	Charles River Bridge, Act of 19214½s	18,000 00
Dec. 1, 1942	Sewer separate system4s	500 00
Dec. 1, 1942	Sewer construction4½s	500 00
Dec. 1, 1942	City of Cambridge, Charles River bridge, Acts of 19213¾s	5,000 00
Dec. 1, 1942	Building3¾s	7,000 00
Dec. 1, 1942	Third Street bridge3¾s	2,500 00
Dec. 1, 1942	Schoolhouse4¼s	31,000 00
Dec. 1, 1942	Building4¼s	2,000 00
Dec. 1, 1942	City Hospital, Acts of 19294½s	30,000 00
Dec. 1, 1942	Schoolhouse, Acts of 19284½s	20,000 00
Jan. 1, 1943	Sewer4s	500 00
Mar. 1, 1943	Land for playground4s	500 00
Mar. 1, 1943	Sewer separate system4s	1,500 00
Mar. 1, 1943	Sewer separate system4s	2,000 00
Mar. 1, 1943	Sewer separate system3¾s	3,000 00
Mar. 1, 1942	Sewer separate system4¼s	3,000 00
May 1, 1943	Sewer3½s	500 00
May 1, 1943	Cambridge bridge4s	2,000 00
June 1, 1943	Sewer construction4s	500 00
June 1, 1943	Sewer separate system4s	500 00
June 1, 1943	Sewer separate system4¼s	1,500 00
June 1, 1943	First Street bridge4¼s	1,000 00
July 1, 1943	Sewer4s	500 00
July 1, 1943	Sewer separate system4s	500 00
July 1, 1943	Sewer separate system4s	1,000 00
July 1, 1943	Playground4s	500 00
July 1, 1943	Sewer4½s	1,000 00
July 15, 1943	Schoolhouse4¼s	4,000 00
July 15, 1943	Sewer construction4s	1,000 00
July 15, 1943	Sewer separate system4s	1,000 00
<i>Amount carried forward</i>		\$6,471,050 00

<i>Amount brought forward</i>			\$6,471,050 00
Sept. 1, 1943	Park	4s	\$1,000 00
Sept. 1, 1942	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1943	Sewer construction	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1943	Sewer	5s	1,000 00
Oct. 1, 1943	Sewer	5s	500 00
Oct. 1, 1943	Sewer construction	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1943	Sewer separate system	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1943	Sewer construction	4s	500 00
Oct. 1, 1943	Land for playground	4s	1,000 00
Oct. 1, 1943	Separate system of sewers	4s	2,500 00
Oct. 1, 1943	Land for playground	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1943	Sewer separate system	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1943	City of Cambridge, Charles River bridge, Acts of 1921	4s	5,000 00
Oct. 1, 1943	Schoolhouse	4s	1,000 00
Oct. 1, 1943	Separate system of sewers	4s	1,000 00
Oct. 1, 1943	Building	4s	22,000 00
Oct. 1, 1943	Separate system of sewers	4s	1,000 00
Oct. 1, 1943	Separate system of sewers	4s	1,000 00
Oct. 1, 1943	Sixth Street bridge	4s	2,000 00
Oct. 1, 1943	Building	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1943	Sewer separate system	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1943	City of Cambridge, Charles River bridge, Acts of 1921	4s	18,000 00
Dec. 1, 1943	Sewer separate system	4s	500 00
Dec. 1, 1943	Sewer construction	4 $\frac{1}{2}$ s	500 00
Dec. 1, 1943	City of Cambridge, Charles River bridge, Acts of 1921	3 $\frac{3}{4}$ s	5,000 00
Dec. 1, 1943	Building	3 $\frac{3}{4}$ s	6,000 00
Dec. 1, 1943	Third Street bridge	3 $\frac{3}{4}$ s	2,500 00
Dec. 1, 1943	Schoolhouse	4 $\frac{1}{4}$ s	31,000 00
Dec. 1, 1943	Building	4 $\frac{1}{4}$ s	2,000 00
Dec. 1, 1943	City Hospital, Acts of 1929	4 $\frac{1}{2}$ s	30,000 00
Dec. 1, 1943	Schoolhouse Acts of 1928	4 $\frac{1}{2}$ s	20,000 00
Jan. 1, 1944	Sewer	4s	500 00
Mar. 1, 1944	Land for playground	4s	500 00
Mar. 1, 1944	Sewer separate system	4s	1,500 00
Mar. 1, 1944	Sewer separate system	4s	2,000 00
Mar. 1, 1944	Sewer separate system	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1944	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
May 1, 1944	Sewer	3 $\frac{1}{2}$ s	500 00
May 1, 1944	Cambridge bridge	4s	2,000 00
June 1, 1944	Sewer construction	4s	500 00
June 1, 1944	Sewer separate system	4s	500 00
June 1, 1944	Sewer separate system	4 $\frac{1}{4}$ s	1,500 00
July 1, 1944	Sewer	4s	500 00
July 1, 1944	Sewer separate system	4s	500 00
July 1, 1944	Sewer separate system	4s	1,000 00
July 1, 1944	Sewer	4 $\frac{1}{2}$ s	1,000 00
July 1, 1944	Playground	4s	500 00
July 15, 1944	Sewer construction	4s	1,000 00
July 15, 1944	Sewer separate system	4s	1,000 00
Sept. 1, 1944	Park	4s	1,000 00
Sept. 1, 1944	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1944	Sewer construction	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1944	Sewer	5s	1,000 00
Oct. 1, 1944	Sewer	5s	500 00

Amount carried forward \$6,668,050 00

<i>Amount brought forward</i>			\$6,668,050 00
Oct. 1, 1944	Sewer construction.....	4½s	\$2,000 00
Oct. 1, 1944	Sewer separate system.....	4½s	1,500 00
Oct. 1, 1944	Sewer construction.....	4s	500 00
Oct. 1, 1944	Sewer separate system.....	4s	1,000 00
Oct. 1, 1944	Land for playground.....	4s	1,000 00
Oct. 1, 1944	Separate system of sewers.....	4s	2,500 00
Oct. 1, 1944	Land for playground.....	4¼s	500 00
Oct. 1, 1944	Sewer separate system.....	4¼s	2,500 00
Oct. 1, 1944	City of Cambridge, Charles River		
	Bridge, Acts of 1921.....	4s	5,000 00
Oct. 1, 1944	Separate system of sewers.....	4s	1,000 00
Oct. 1, 1944	Building.....	4s	22,000 00
Oct. 1, 1944	Separate system of sewers.....	4s	1,000 00
Oct. 1, 1944	Schoolhouse.....	4s	1,000 00
Oct. 1, 1944	Sixth Street Bridge.....	4s	2,000 00
Oct. 1, 1944	Building.....	4¼s	2,500 00
Oct. 1, 1944	Sewer separate system.....	4¼s	500 00
Oct. 1, 1944	City of Cambridge, Charles River		
	bridge, Acts of 1921.....	4½s	18,000 00
Dec. 1, 1944	Sewer separate system.....	4s	500 00
Dec. 1, 1944	Sewer construction.....	4½s	500 00
Dec. 1, 1944	City of Cambridge, Charles River		
	Bridge, Acts of 1921.....	3¾s	5,000 00
Dec. 1, 1944	Building.....	3¾s	6,000 00
Dec. 1, 1944	Third Street Bridge.....	3¾s	2,500 00
Dec. 1, 1944	Building.....	4¼s	2,000 00
Dec. 1, 1944	City Hospital, Acts of 1929.....	4½s	30,000 00
Dec. 1, 1944	Schoolhouse, Acts of 1928.....	4½s	20,000 00
Jan. 1, 1945	Sewer.....	4s	500 00
Mar. 1, 1945	Land for playground.....	4s	500 00
Mar. 1, 1945	Sewer separate system.....	4s	1,500 00
Mar. 1, 1945	Sewer separate system.....	4s	2,000 00
Mar. 1, 1945	Sewer separate system.....	3¾s	3,000 00
Mar. 1, 1945	Sewer separate system.....	4¼s	3,000 00
May 1, 1945	Sewer.....	3½s	500 00
May 1, 1945	Cambridge Bridge.....	4s	2,000 00
June 1, 1945	Sewer construction.....	4s	500 00
June 1, 1945	Sewer separate system.....	4s	500 00
June 1, 1945	Sewer separate system.....	4¼s	1,500 00
July 1, 1945	Sewer.....	4s	500 00
July 1, 1945	Sewer separate system.....	4s	500 00
July 1, 1945	Sewer.....	4½s	1,000 00
July 1, 1945	Playground.....	4s	500 00
July 15, 1945	Sewer construction.....	4s	1,000 00
July 15, 1945	Sewer separate system.....	4s	1,000 00
Sept. 1, 1945	Sewer separate system.....	4½s	3,000 00
Oct. 1, 1945	Sewer construction.....	4½s	1,500 00
Oct. 1, 1945	Sewer.....	5s	1,000 00
Oct. 1, 1945	Sewer.....	5s	500 00
Oct. 1, 1945	Sewer construction.....	4½s	2,000 00
Oct. 1, 1945	Sewer separate system.....	4½s	1,500 00
Oct. 1, 1945	Sewer construction.....	4s	500 00
Oct. 1, 1945	Sewer separate system.....	4s	1,000 00
Oct. 1, 1945	Land for playground.....	4s	1,000 00
Oct. 1, 1945	Separate system of sewers.....	4s	2,500 00
Oct. 1, 1945	Land for playground.....	4¼s	500 00
Oct. 1, 1945	Sewer separate system.....	4¼s	2,500 00
<i>Amount carried forward</i>			\$6,836,550 00

<i>Amount brought forward</i>			\$6,836,550 00
Oct. 1, 1945	City of Cambridge, Charles River		
	Bridge, Acts of 19214s	\$5,000 00	
Oct. 1, 1945	Separate system of sewers4s	1,000 00	
Oct. 1, 1945	Building4s	22,000 00	
Oct. 1, 1945	Separate system of sewers4s	1,000 00	
Oct. 1, 1945	Building4 $\frac{1}{4}$ s	2,500 00	
Oct. 1, 1945	Sewer separate system4 $\frac{1}{4}$ s	500 00	
Oct. 1, 1945	City of Cambridge, Charles River		
	Bridge, Acts of 19214 $\frac{1}{2}$ s	18,000 00	
Dec. 1, 1945	Sewer construction4 $\frac{1}{2}$ s	500 00	
Dec. 1, 1945	City of Cambridge, Charles River		
	Bridge, Acts of 19213 $\frac{3}{4}$ s	5,000 00	
Dec. 1, 1945	Building3 $\frac{3}{4}$ s	6,000 00	
Dec. 1, 1945	Third Street Bridge3 $\frac{3}{4}$ s	2,500 00	
Dec. 1, 1945	Building4 $\frac{1}{4}$ s	2,000 00	
Jan. 1, 1946	Sewer4s	500 00	
Mar. 1, 1946	Land for playground4s	500 00	
Mar. 1, 1946	Sewer separate system4s	1,500 00	
Mar. 1, 1946	Sewer separate system4s	2,000 00	
Mar. 1, 1946	Sewer separate system3 $\frac{3}{4}$ s	3,000 00	
Mar. 1, 1946	Sewer separate system4 $\frac{1}{4}$ s	3,000 00	
May 1, 1946	Sewer3 $\frac{1}{2}$ s	500 00	
June 1, 1946	Sewer construction4s	500 00	
June 1, 1946	Sewer separate system4s	500 00	
June 1, 1946	Sewer separate system4 $\frac{1}{4}$ s	1,500 00	
July 1, 1946	Sewer4 $\frac{1}{2}$ s	1,000 00	
July 15, 1946	Sewer construction4s	1,000 00	
July 15, 1946	Sewer separate system4s	1,000 00	
Sept. 1, 1946	Sewer separate system4 $\frac{1}{2}$ s	3,000 00	
Oct. 1, 1946	Sewer construction4 $\frac{1}{2}$ s	1,500 00	
Oct. 1, 1946	Sewer5s	1,000 00	
Oct. 1, 1946	Sewer5s	500 00	
Oct. 1, 1946	Sewer construction4 $\frac{1}{2}$ s	2,000 00	
Oct. 1, 1946	Sewer separate system4 $\frac{1}{2}$ s	1,500 00	
Oct. 1, 1946	Sewer construction4s	500 00	
Oct. 1, 1946	Sewer separate system4s	1,000 00	
Oct. 1, 1946	Land for playground4s	1,000 00	
Oct. 1, 1946	Separate system of sewers4s	2,500 00	
Oct. 1, 1946	Separate system of sewers4s	1,000 00	
Oct. 1, 1946	Land for playground4 $\frac{1}{4}$ s	500 00	
Oct. 1, 1946	Sewer separate system4 $\frac{1}{4}$ s	2,500 00	
Oct. 1, 1946	City of Cambridge, Charles River		
	Bridge, Acts of 19214s	5,000 00	
Oct. 1, 1946	Building4s	22,000 00	
Oct. 1, 1946	Separate system of sewers4s	1,000 00	
Oct. 1, 1946	Building4 $\frac{1}{4}$ s	2,500 00	
Oct. 1, 1946	Sewer separate system4 $\frac{1}{4}$ s	500 00	
Oct. 1, 1946	City of Cambridge, Charles River		
	Bridge, Acts of 19214 $\frac{1}{2}$ s	18,000 00	
Dec. 1, 1946	Sewer construction4 $\frac{1}{2}$ s	500 00	
Dec. 1, 1946	City of Cambridge, Charles River		
	Bridge, Acts of 19213 $\frac{3}{4}$ s	5,000 00	
Dec. 1, 1946	Building3 $\frac{3}{4}$ s	6,000 00	
Dec. 1, 1946	Third Street Bridge3 $\frac{3}{4}$ s	2,500 00	
Dec. 1, 1946	Building4 $\frac{1}{4}$ s	2,000 00	
Mar. 1, 1947	Land for playground4s	500 00	
Mar. 1, 1947	Sewer separate system4s	1,500 00	

Amount carried forward \$7,004,550 00

<i>Amount brought forward</i>			\$7,004,550 00
Mar. 1, 1947	Sewer separate system	4s	\$2,000 00
Mar. 1, 1947	Sewer separate system	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1947	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
June 1, 1947	Sewer construction	4s	500 00
June 1, 1947	Sewer separate system	4s	500 00
June 1, 1947	Sewer separate system	4 $\frac{1}{4}$ s	1,500 00
July 1, 1947	Sewer	4 $\frac{1}{2}$ s	1,000 00
July 15, 1947	Sewer construction	4s	1,000 00
July 15, 1947	Sewer separate system	4s	1,000 00
Sept. 1, 1947	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1947	Sewer construction	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1947	Sewer	5s	1,000 00
Oct. 1, 1947	Sewer	5s	500 00
Oct. 1, 1947	Sewer construction	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1947	Sewer separate system	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1947	Sewer construction	4s	500 00
Oct. 1, 1947	Sewer separate system	4s	1,000 00
Oct. 1, 1947	Land for playground	4s	1,000 00
Oct. 1, 1947	Separate system of sewers	4s	2,500 00
Oct. 1, 1947	Land for playground	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1947	Sewer separate system	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1947	Separate system of sewers	4s	1,000 00
Oct. 1, 1947	Building	4s	22,000 00
Oct. 1, 1947	Separate system of sewers	4s	1,000 00
Oct. 1, 1947	Building	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1947	Sewer separate system	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1947	City of Cambridge, Charles River Bridge, Acts of 1921	4 $\frac{1}{2}$ s	18,000 00
Dec. 1, 1947	Sewer construction	4 $\frac{1}{2}$ s	500 00
Dec. 1, 1947	City of Cambridge, Charles River bridge, Acts of 1921	3 $\frac{3}{4}$ s	5,000 00
Dec. 1, 1947	Building	3 $\frac{3}{4}$ s	6,000 00
Dec. 1, 1947	Third Street bridge	3 $\frac{3}{4}$ s	2,500 00
Dec. 1, 1947	Building	4 $\frac{1}{4}$ s	2,000 00
Mar. 1, 1948	Sewer separate system	4s	1,500 00
Mar. 1, 1948	Sewer separate system	4s	2,000 00
Mar. 1, 1948	Sewer separate system	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1948	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
June 1, 1948	Sewer construction	4s	500 00
June 1, 1948	Sewer separate system	4s	500 00
June 1, 1948	Sewer separate system	4 $\frac{1}{4}$ s	1,500 00
July 15, 1948	Sewer construction	4s	1,000 00
July 15, 1948	Sewer separate system	4s	1,000 00
Sept. 1, 1948	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1948	Sewer construction	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1948	Sewer	5s	1,000 00
Oct. 1, 1948	Sewer	5s	500 00
Oct. 1, 1948	Sewer construction	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1948	Sewer separate system	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1948	Sewer construction	4s	500 00
Oct. 1, 1948	Sewer separate system	4s	1,000 00
Oct. 1, 1948	Land for playground	4s	1,000 00
Oct. 1, 1948	Separate system of sewers	4s	2,500 00
Oct. 1, 1948	Land for playground	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1948	Sewer separate system	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1948	Separate system of sewers	4s	1,000 00
Oct. 1, 1948	Separate system of sewers	4s	1,000 00

Amount carried forward \$7,130,050 00

<i>Amount brought forward</i>			\$7,130,050 00
Oct. 1, 1948	Building.....	4 $\frac{1}{4}$ s	\$2,500 00
Oct. 1, 1948	Sewer separate system.....	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1948	City of Cambridge, Charles River Bridge, Acts of 1921.....	4 $\frac{1}{2}$ s	18,000 00
Dec. 1, 1948	Sewer construction.....	4 $\frac{1}{2}$ s	500 00
Dec. 1, 1948	Building.....	4 $\frac{1}{4}$ s	2,000 00
Mar. 1, 1949	Sewer separate system.....	4s	1,500 00
Mar. 1, 1949	Sewer separate system.....	4s	2,000 00
Mar. 1, 1949	Sewer separate system.....	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1949	Sewer separate system.....	4 $\frac{1}{4}$ s	3,000 00
June 1, 1949	Sewer construction.....	4s	500 00
June 1, 1949	Sewer separate system.....	4s	500 00
June 1, 1949	Sewer separate system.....	4 $\frac{1}{4}$ s	1,500 00
July 15, 1949	Sewer construction.....	4s	1,000 00
July 15, 1949	Sewer separate system.....	4s	1,000 00
Sept. 1, 1949	Sewer separate system.....	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1949	Sewer construction.....	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1949	Sewer.....	5s	1,000 00
Oct. 1, 1949	Sewer.....	5s	500 00
Oct. 1, 1949	Sewer construction.....	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1949	Sewer separate system.....	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1949	Sewer construction.....	4s	500 00
Oct. 1, 1949	Sewer separate system.....	4s	1,000 00
Oct. 1, 1949	Separate system of sewers.....	4s	2,500 00
Oct. 1, 1949	Land for playground.....	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1949	Sewer separate system.....	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1949	Separate system of sewers.....	4s	1,000 00
Oct. 1, 1949	Separate system of sewers.....	4s	1,000 00
Oct. 1, 1949	Land for playground.....	4s	1,000 00
Oct. 1, 1949	Sewer separate system.....	4 $\frac{1}{4}$ s	500 00
Nov. 1, 1949	City of Cambridge, Charles River Bridge, Acts of 1921.....	4 $\frac{1}{2}$ s	18,000 00
Mar. 1, 1950	Sewer separate system.....	4s	1,500 00
Mar. 1, 1950	Sewer separate system.....	4s	2,000 00
Mar. 1, 1950	Sewer separate system.....	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1950	Sewer separate system.....	4 $\frac{1}{4}$ s	3,000 00
June 1, 1950	Sewer construction.....	4s	500 00
June 1, 1950	Sewer separate system.....	4s	500 00
June 1, 1950	Sewer separate system.....	4 $\frac{1}{4}$ s	1,500 00
July 15, 1950	Sewer construction.....	4s	1,000 00
July 15, 1950	Sewer separate system.....	4s	1,000 00
Sept. 1, 1950	Sewer separate system.....	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1950	Sewer.....	5s	1,000 00
Oct. 1, 1950	Sewer.....	5s	500 00
Oct. 1, 1950	Sewer construction.....	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1950	Sewer separate system.....	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1950	Sewer construction.....	4s	500 00
Oct. 1, 1950	Sewer separate system.....	4s	1,000 00
Oct. 1, 1950	Sewer separate system.....	4s	2,500 00
Oct. 1, 1950	Land for playground.....	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1950	Sewer separate system.....	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1950	Separate system of sewers.....	4s	1,000 00
Oct. 1, 1950	Separate system of sewers.....	4s	1,000 00
Oct. 1, 1950	Sewer separate system.....	4 $\frac{1}{4}$ s	500 00
Mar. 1, 1951	Sewer separate system.....	4s	1,500 00
Mar. 1, 1951	Sewer separate system.....	4s	2,000 00
Mar. 1, 1951	Sewer separate system.....	3 $\frac{3}{4}$ s	3,000 00
<i>Amount carried forward</i>			\$7,243,550 00

Amount brought forward \$7,243,550 00

Mar. 1, 1951	Sewer separate system	4 $\frac{1}{4}$ s	\$3,000 00
June 1, 1951	Sewer construction	4s	500 00
June 1, 1951	Sewer separate system	4s	500 00
June 1, 1951	Sewer separate system	4 $\frac{1}{4}$ s	1,500 00
July 15, 1951	Sewer construction	4s	1,000 00
July 15, 1951	Sewer separate system	4s	1,000 00
Sept. 1, 1951	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1951	Sewer construction	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1951	Sewer separate system	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1951	Sewer construction	4s	500 00
Oct. 1, 1951	Sewer separate system	4s	1,000 00
Oct. 1, 1951	Sewer separate system	4s	2,500 00
Oct. 1, 1951	Sewer separate system	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1951	Separate system of sewers	4s	1,000 00
Oct. 1, 1951	Separate system of sewers	4s	1,000 00
Oct. 1, 1951	Sewer separate system	4 $\frac{1}{4}$ s	500 00
Mar. 1, 1952	Sewer separate system	4s	1,500 00
Mar. 1, 1952	Sewer separate system	4s	2,000 00
Mar. 1, 1952	Sewer separate system	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1952	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
June 1, 1952	Sewer construction	4s	500 00
June 1, 1952	Sewer separate system	4 $\frac{1}{4}$ s	1,500 00
June 1, 1952	Sewer separate system	4s	500 00
July 15, 1952	Sewer construction	4s	1,000 00
July 15, 1952	Sewer separate system	4s	1,000 00
Sept. 1, 1952	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1952	Sewer construction	4s	500 00
Oct. 1, 1952	Sewer separate system	4s	1,000 00
Oct. 1, 1952	Sewer separate system	4s	2,500 00
Oct. 1, 1952	Sewer separate system	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1952	Separate system of sewers	4s	1,000 00
Oct. 1, 1952	Separate system of sewers	4s	1,000 00
Oct. 1, 1952	Sewer separate system	4 $\frac{1}{4}$ s	500 00
Mar. 1, 1953	Sewer separate system	4s	1,500 00
Mar. 1, 1953	Sewer separate system	4s	2,000 00
Mar. 1, 1953	Sewer separate system	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1953	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
June 1, 1953	Sewer separate system	4 $\frac{1}{4}$ s	1,500 00
July 15, 1953	Sewer construction	4s	1,000 00
July 15, 1953	Sewer separate system	4s	1,000 00
Sept. 1, 1953	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1953	Sewer separate system	4s	2,500 00
Oct. 1, 1953	Sewer separate system	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1953	Separate system of sewers	4s	1,000 00
Oct. 1, 1953	Sewer separate system	4 $\frac{1}{4}$ s	500 00
Mar. 1, 1954	Sewer separate system	4s	1,500 00
Mar. 1, 1954	Sewer separate system	4s	2,000 00
Mar. 1, 1954	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
Sept. 1, 1954	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1954	Sewer separate system	4s	2,500 00
Oct. 1, 1954	Sewer separate system	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1954	Separate system of sewers	4s	1,000 00
Oct. 1, 1954	Sewer separate system	4 $\frac{1}{4}$ s	500 00
Mar. 1, 1955	Sewer separate system	4s	1,500 00
Mar. 1, 1955	Sewer separate system	4s	2,000 00
Mar. 1, 1955	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
Sept. 1, 1955	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00

Amount carried forward \$7,340,550 00

<i>Amount brought forward</i>			\$7,340,550 00
Oct. 1, 1955	Sewer separate system	4 $\frac{1}{4}$ s	\$2,500 00
Oct. 1, 1955	Separate system of sewers	4s	1,000 00
Oct. 1, 1955	Sewer separate system	4 $\frac{1}{4}$ s	500 00
Mar. 1, 1956	Sewer separate system	4s	1,500 00
Mar. 1, 1956	Sewer separate system	4s	2,000 00
Mar. 1, 1956	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
Sept. 1, 1956	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1956	Separate system of sewers	4s	1,000 00
Oct. 1, 1956	Sewer separate system	4 $\frac{1}{4}$ s	500 00
Mar. 1, 1957	Sewer separate system	4s	2,000 00
Mar. 1, 1957	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
Sept. 1, 1957	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1957	Sewer separate system	4 $\frac{1}{4}$ s	500 00
Mar. 1, 1958	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
Sept. 1, 1958	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1958	Sewer separate system	4 $\frac{1}{4}$ s	500 00
Mar. 1, 1959	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
Sept. 1, 1959	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Mar. 1, 1960	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
			<hr/>
			\$7,379,550 00

The Bonded City Debt matures as follows, *viz.*:

Provided for by Sinking Fund.

July	1, 1930	Sewer.....	3½s	\$100,000	00
July	1, 1930	Schoolhouse.....	4s	120,000	00
July	1, 1930	Cambridge Hospital.....	4s	95,000	00
July	1, 1930	Street.....	4s	12,000	00
Mar.	1, 1931	Street.....	3½s	27,000	00
Mar.	1, 1931	Schoolhouse.....	3½s	5,000	00
July	1, 1931	Street.....	3½s	45,000	00
Aug.	1, 1931	Sewer.....	3½s	110,000	00
Dec.	1, 1931	Hospital.....	3½s	4,000	00
Feb.	1, 1932	Street.....	3½s	6,250	00
Mar.	1, 1932	Hospital.....	3½s	25,000	00
Mar.	1, 1932	Schoolhouse.....	3½s	2,500	00
Aug.	1, 1932	Metropolitan Park assessment.....	3½s	46,000	00
Sept.	1, 1932	Street.....	3½s	6,200	00
Nov.	1, 1932	Sewer.....	3½s	20,000	00
Feb.	1, 1933	School.....	3½s	5,000	00
April	1, 1933	Sewer.....	3½s	40,000	00
July	1, 1933	Street.....	4s	4,000	00
Aug.	1, 1933	Street.....	4s	18,000	00
Oct.	1, 1933	Sewer.....	3½s	20,000	00
May	1, 1934	Sewer.....	3½s	112,000	00
May	1, 1934	Cambridge Bridge special.....	3½s	28,000	00
Nov.	1, 1934	Sewer.....	3½s	5,000	00
May	1, 1935	Sewer.....	3½s	90,000	00
Aug.	1, 1935	Park.....	4s	100,000	00
Feb.	1, 1936	Park.....	4s	100,000	00
May	1, 1936	Sewer.....	4s	35,000	00
Sept.	1, 1936	Sewer.....	4s	25,000	00
April	1, 1937	Sewer.....	4s	60,000	00
Sept.	1, 1937	Park.....	3½s	100,000	00
Nov.	1, 1937	Sewer.....	4s	10,000	00
Nov.	1, 1937	Charles River improvement.....	3½s	50,000	00
June	1, 1938	Park.....	3½s	50,000	00
Aug.	1, 1938	Park.....	3½s	50,000	00
Aug.	1, 1938	Charles River improvement.....	3½s	50,000	00
Aug.	1, 1938	Sewer.....	4s	25,000	00
Dec.	1, 1938	Sewer.....	4s	17,000	00
July	1, 1939	Cambridge bridge.....	3½s	48,000	00
July	1, 1939	Sewer.....	3½s	2,000	00
Aug.	1, 1939	Park.....	3½s	100,000	00

Amount carried forward..... \$1,767,950 00

The Bonded City Debt matures as follows, *viz.*:

Provided for by Sinking Fund.

<i>Amount brought forward</i>			\$1,767,950 00
Jan. 1, 1940	Sewer	3½s	\$46,000 00
May 1, 1940	Sewer	4s	15,000 00
July 1, 1940	Cambridge bridge	3½s	100,000 00
July 1, 1940	Park	3½s	50,000 00
May 1, 1940	Sewer	4s	25,000 00
July 1, 1940	Playground	4s	50,000 00
Nov. 1, 1940	Park	3½s	50,000 00
Feb. 1, 1941	Cambridge bridge	3s	47,000 00
Mar. 1, 1941	Sewer	3½s	10,000 00
July 1, 1941	Playground	3½s	15,000 00
Mar. 1, 1941	Sewer	3½s	10,000 00
July 1, 1941	Sewer	3½s	10,000 00
Oct. 1, 1941	Park	3½s	100,000 00
Nov. 1, 1941	Cambridge bridge	3½s	85,000 00
Dec. 1, 1941	Sewer separate system	3½s	10,000 00
Dec. 1, 1941	Playground	3½s	30,000 00
July 1, 1942	Park	3½s	48,000 00
Aug. 1, 1942	Cambridge bridge	3½s	94,000 00
Sept. 1, 1942	Sewer	3½s	15,000 00
Jan. 1, 1943	Cambridge bridge	3½s	42,000 00
Feb. 1, 1943	Sewer	3½s	10,000 00
Feb. 1, 1943	Separate system	3½s	10,000 00
April 1, 1943	Cambridge bridge	3½s	35,000 00
April 1, 1943	Park	3½s	50,000 00
July 1, 1943	Sewer	4s	25,000 00
Jan. 1, 1944	Cambridge bridge	3½s	71,000 00
May 1, 1944	Cambridge bridge	3½s	164,000 00
Aug. 1, 1944	Cambridge bridge	3½s	100,000 00
Sept. 1, 1944	Cambridge bridge	3½s	50,000 00
Sept. 1, 1944	Park	3½s	25,000 00
Nov. 1, 1944	Park	3½s	6,000 00
April 1, 1945	Park	3½s	5,000 00
May 1, 1945	Park	3½s	45,000 00
May 1, 1945	Cambridge bridge	3½s	140,000 00
Aug. 1, 1945	Park	3½s	5,000 00
Dec. 1, 1945	Cambridge bridge	3½s	100,000 00
Jan. 1, 1946	Cambridge bridge	3½s	20,000 00
Aug. 1, 1946	Cambridge bridge	4s	100,000 00
Aug. 1, 1946	Commercial Avenue bridge	3½s	50,000 00
Sept. 1, 1946	Park	3½s	25,000 00
Sept. 1, 1946	Cambridge bridge	4s	5,000 00
Jan. 1, 1947	Cambridge bridge	3½s	50,000 00
July 1, 1947	Cambridge bridge	4s	40,000 00
Oct. 1, 1947	Cambridge bridge	4s	15,000 00
Oct. 1, 1947	Park	4s	10,000 00
<i>Amount carried forward</i>			\$3,775,950 00

The Bonded City Debt matures as follows, *viz.*:

Provided for by Sinking Fund.

<i>Amount brought forward</i>			\$3,775,950 00
Aug. 1, 1948	Cambridge bridge.....	4s	\$45,000 00
Aug. 1, 1948	Park.....	4s	30,000 00
Nov. 1, 1948	Park.....	4s	12,000 00
Jan. 1, 1950	Park.....	3½s	8,800 00
July 1, 1950	Cambridge bridge.....	4s	20,000 00
Mar. 1, 1951	Park.....	3½s	17,000 00
July 1, 1951	Park.....	3½s	7,000 00
Dec. 1, 1951	Park.....	3½s	6,200 00
Dec. 1, 1951	Bridge.....	3½s	10,000 00
Mar. 1, 1952	Bridge.....	3½s	10,000 00
			<hr/> \$3,941,950 00

The Bonded Water Debt matures as follows:

Provided for by Sinking Fund.

Mar. 1, 1936.....	4s	\$280,000 00
June 1, 1937.....	4s	49,000 00
July 1, 1937.....	4s	25,000 00
Aug. 1, 1938.....	4s	17,000 00
May 1, 1941.....	3½s	16,500 00
Dec. 1, 1941.....	3½s	10,000 00
		<hr/> \$397,500 00

The Bonded Water Debt matures as follows:

Issued serially, provided for in the annual tax levy.

July	1, 1930	4s	\$2,000 00
July	1, 1930	4s	1,500 00
Sept.	1, 1930	3½s	1,000 00
Oct.	1, 1930	4½s	11,000 00
Oct.	1, 1930	4s	14,000 00
Nov.	1, 1930	4s	500 00
Dec.	1, 1930	3½s	1,000 00
Feb.	1, 1931	4s	500 00
Mar.	1, 1931	4s	500 00
July	1, 1931	4s	2,000 00
July	1, 1931	4s	1,500 00
Sept.	1, 1931	3½s	1,000 00
Oct.	1, 1931	4½s	11,000 00
Oct.	1, 1931	4s	14,000 00
Nov.	1, 1931	4s	500 00
Dec.	1, 1931	3½s	1,000 00
Feb.	1, 1932	4s	500 00
Mar.	1, 1932	4s	500 00
July	1, 1932	4s	2,000 00
July	1, 1932	4s	1,500 00
Sept.	1, 1932	3½s	1,000 00
Oct.	1, 1932	4½s	11,000 00
Oct.	1, 1932	4s	14,000 00
Nov.	1, 1932	4s	500 00
Dec.	1, 1932	3½s	1,000 00
Feb.	1, 1933	4s	500 00
Mar.	1, 1933	4s	500 00
July	1, 1933	4s	2,000 00
July	1, 1933	4s	1,500 00
Sept.	1, 1933	3½s	1,000 00
Oct.	1, 1933	4½s	11,000 00
Oct.	1, 1933	4s	14,000 00
Nov.	1, 1933	4s	500 00
Dec.	1, 1933	3½s	1,000 00
July	1, 1934	4s	1,500 00
Sept.	1, 1934	3½s	1,000 00
Oct.	1, 1934	4½s	11,000 00
Oct.	1, 1934	4s	14,000 00
Dec.	1, 1934	3½s	1,000 00
July	1, 1935	4s	1,500 00
Sept.	1, 1935	3½s	1,000 00
Oct.	1, 1935	4½s	11,000 00
Oct.	1, 1935	4s	14,000 00
Dec.	1, 1935	3½s	1,000 00
July	1, 1936	4s	1,500 00
Sept.	1, 1936	3½s	1,000 00
Oct.	1, 1936	4½s	11,000 00
Oct.	1, 1936	4s	14,000 00
July	1, 1937	4s	1,500 00
Sept.	1, 1937	3½s	1,000 00
Oct.	1, 1937	4½s	11,000 00
Oct.	1, 1937	4s	14,000 00
July	1, 1938	4s	1,500 00

Amount carried forward \$240,500 00

<i>Amount brought forward</i>			\$240,500 00
Oct.	1, 1938	4½s \$11,000 00	
Oct.	1, 1938	4s 13,000 00	
July	1, 1939	4s 1,500 00	
Oct.	1, 1939	4½s 11,000 00	
Oct.	1, 1939	4s 13,000 00	
July	1, 1940	4s 1,500 00	
Oct.	1, 1940	4½s 11,000 00	
Oct.	1, 1940	4s 13,000 00	
July	1, 1941	4s 1,500 00	
Oct.	1, 1941	4½s 11,000 00	
Oct.	1, 1941	4s 13,000 00	
July	1, 1942	4s 1,500 00	
Oct.	1, 1942	4½s 11,000 00	
Oct.	1, 1942	4s 13,000 00	
July	1, 1943	4s 1,500 00	
Oct.	1, 1943	4½s 11,000 00	
July	1, 1944	4s 1,500 00	
Oct.	1, 1944	4½s 11,000 00	
Oct.	1, 1945	4½s 11,000 00	
Oct.	1, 1946	4½s 11,000 00	
Oct.	1, 1947	4½s 11,000 00	
Oct.	1, 1948	4½s 11,000 00	
Oct.	1, 1949	4½s 11,000 00	
Oct.	1, 1950	4½s 11,000 00	
			<hr/>
			\$457,500 00

REPORT OF THE COMMISSIONERS OF THE SINKING FUNDS OF THE CITY OF CAMBRIDGE

To the Honorable City Council:

The commissioners of the several sinking funds of the City herewith submit their annual reports, covering the year ending March 31, 1930. Our report shows the condition of the sinking funds under two divisions: first, Municipal; second, Water.

The following is the condition of the Municipal Loan Funds:

Dr.	
The amount of the funds, March 30, 1929.....	\$2,828,545 51
Received from City of Cambridge, the annual requirements.....	68,720 25
Received interest on invested funds.....	121,062 58
Received discount on bonds purchased.....	4,149 00
	<hr/>
	\$3,022,477 34

Cr.	
Paid to City Treasurer on account of Municipal debt maturing....	\$149,000 00
Paid interest accrued on bonds purchased.....	2,890 87
Paid premium on bonds purchased.....	6,478 77
Paid discount on bonds sold.....	1,781 25
Amount of fund, March 31, 1930.....	2,862,326 45
	<hr/>
	\$3,022,477 34

The following is the condition of the Water Loan Fund:

Dr.	
Amount of the fund, March 30, 1929.....	\$398,143 62
Received interest on invested funds.....	16,160 40
Received discount on bond purchased.....	16 70
	<hr/>
	\$414,320 72

Cr.	
Paid to City Treasurer on account of Water Debt Maturing.....	\$10,000 00
Paid interest accrued on bond purchased.....	3 11
Amount of fund, March 31, 1930.....	404,317 61
	<hr/>
	\$414,320 72

MUNICIPAL FUND ACCOUNT

Bond Account

Amount of bonds in fund March 30, 1929.....	\$2,789,600 00	
Amount of bonds purchased.....	406,000 00	
	<hr/>	
	\$3,195,600 00	
Amount of bonds matured.....	200,300 00	
Amount of bonds sold.....	200,000 00	
Amount of bonds in fund March 31, 1930.....	2,795,300 00	\$2,795,300 00
	<hr/>	
	\$3,195,600 00	

Cash Account

Dr.

Cash on hand March 30, 1929.....	\$38,945 51	
Received from City of Cambridge Annual requirements	68,720 25	
Received from bonds sold.....	200,000 00	
Received interest on invested funds.....	121,062 58	
Received for bonds matured.....	200,300 00	
Received discount on bonds purchased.....	4,149 00	
	<hr/>	
	\$633,177 34	

Cr.

Paid to City Treasurer to redeem bonds maturing....	\$149,000 00	
Paid for bonds purchased.....	406,000 00	
Paid discount on bonds sold.....	1,781 25	
Paid accrued interest on bonds purchased.....	2,890 87	
Paid premium on bonds purchased.....	6,478 77	
Balance on deposit in Harvard Trust Company.....	67,026 45	67,026 45
	<hr/>	
	\$633,177 34	

Total amount of the fund March 31, 1930.....	\$2,862,326 45
--	----------------

WATER LOAN FUND

Bond Account

Amount of bonds in fund March 30, 1929.....	\$386,000 00	
Amount of bonds purchased.....	1,000 00	
	<hr/>	
	\$387,000 00	
Amount of bonds matured.....	3,500 00	
Total amount of bonds in fund March 31, 1930.....		\$383,500 00

Cash Account

Dr.

Cash on hand March 30, 1929.....	\$12,143 62	
Received interest on invested funds.....	16,160 40	
Received from bonds matured.....	3,500 00	
Received discount on bond purchased.....	16 70	
	<hr/>	
	\$31,820 72	

Cr.			
Paid City Treasurer to redeem bonds maturing	\$10,000	00	
Paid for bond purchased	1,000	00	
Paid accrued interest on bond purchased		3	11
Balance on deposit at Lechmere National Bank	20,817	61	\$20,817 61
			<hr/>
	\$31,820	72	
			<hr/>
Total amount of the fund March 31, 1930			\$404,317 61

The committee appointed to audit the accounts of the Treasurer of the funds reports that his accounts are correct and properly vouched and his books are well kept. The bonds and coupons have been examined and checked up and found correct. The interest, bond and cash transactions of the Treasurer during the year have been carefully computed independently of his books and their correctness thereby proved.

WILLIAM H. REARDON,
ALBERT E. LYNCH.

The following are the investments belonging to the Municipal Loan Fund:

Cambridge City Bonds	4s	Dec.	1930	\$3,000	00
Cambridge City Bonds	4s	Mar.	1931	2,300	00
Cambridge City Bonds	3½s	Aug.	1931	55,000	00
Cambridge City Bonds	4s	Dec.	1931	3,000	00
Cambridge City Bonds	4s	Mar.	1932	2,300	00
Cambridge City Bonds	3½s	Aug.	1932	9,000	00
Cambridge City Bonds	4s	Dec.	1932	3,000	00
Cambridge City Bonds	4s	Mar.	1933	2,300	00
Cambridge City Bonds	3½s	April	1933	35,000	00
Cambridge City Bonds	3½s	Oct.	1933	15,000	00
Cambridge City Bonds	4s	Dec.	1933	3,000	00
Cambridge City Bonds	4s	Mar.	1934	2,300	00
Cambridge City Bonds	3½s	May	1934	1,000	00
Cambridge City Bonds	4s	Dec.	1934	3,000	00
Cambridge City Bonds	4s	Mar.	1935	2,300	00
Cambridge City Bonds	4s	Aug.	1935	100,000	00
Cambridge City Bonds	4s	Dec.	1935	3,000	00
Cambridge City Bonds	4s	Feb.	1936	45,000	00
Cambridge City Bonds	4s	Mar.	1936	2,300	00
Cambridge City Bonds	4s	May	1936	5,000	00
Cambridge City Bonds	4s	Dec.	1936	3,000	00
Cambridge City Bonds	4s	Mar.	1937	2,000	00
Cambridge City Bonds	3½s	Sept.	1937	90,000	00
Cambridge City Bonds	4s	Nov.	1937	10,000	00
Cambridge City Bonds	3½s	Nov.	1937	50,000	00
Cambridge City Bonds	4s	Mar.	1938	2,000	00
Cambridge City Bonds	3½s	Aug.	1938	78,000	00
				<hr/>	
Amount carried forward				\$531,800	00

<i>Amount brought forward</i>				\$531,800 00
Cambridge City Bonds	4s	Mar.	1939	2,000 00
Cambridge City Bonds	3½s	July	1939	1,000 00
Cambridge City Bonds	3½s	Aug.	1939	1,000 00
Cambridge City Bonds	4s	Mar.	1940	2,000 00
Cambridge City Bonds	4s	Mar.	1941	2,000 00
Cambridge City Bonds	3½s	Oct.	1941	25,000 00
Cambridge City Bonds	4s	Mar.	1942	2,000 00
Cambridge City Bonds	3½s	Aug.	1942	3,000 00
Cambridge City Bonds	3½s	Jan.	1943	3,000 00
Cambridge City Bonds	4s	Mar.	1943	2,000 00
Cambridge City Bonds	3½s	April	1943	3,000 00
Cambridge City Bonds	3½s	Jan.	1944	5,000 00
Cambridge City Bonds	4s	Mar.	1944	2,000 00
Cambridge City Bonds	3½s	May	1944	3,000 00
Cambridge City Bonds	4s	Mar.	1945	2,000 00
Cambridge City Bonds	4s	Mar.	1946	2,000 00
Cambridge City Bonds	4s	Mar.	1947	2,000 00
Cambridge City Bonds	4s	Mar.	1948	2,000 00
Cambridge City Bonds	4s	Mar.	1949	2,000 00
Cambridge City Bonds	4s	Mar.	1950	2,000 00
Cambridge City Bonds	4s	Mar.	1951	2,000 00
Cambridge City Bonds	4s	Mar.	1952	2,000 00
Cambridge City Bonds	4s	Mar.	1953	2,000 00
Cambridge City Bonds	4s	Mar.	1954	2,000 00
Cambridge City Bonds	4s	Mar.	1955	2,000 00
Cambridge City Bonds	4s	Mar.	1956	2,000 00
Cambridge City Bonds	4s	Mar.	1957	2,000 00
Quincy City Bonds	3½s	April	1930	3,500 00
West End St. Ry. Railroad Bonds	4½s	July	1930	50,000 00
Minneapolis, Minn., City Bonds	4¾s	July	1930	5,000 00
Quincy City Bonds	3½s	April	1931	1,000 00
Minneapolis, Minn., City Bonds	4¾s	July	1931	20,000 00
St. Paul, Minn., City Bonds	4¼s	Nov.	1931	50,000 00
Quincy City Bonds	3½s	April	1932	1,000 00
Omaha, Neb., City Bonds	4½s	May	1932	10,000 00
Berlin, N. H., City Bonds	4½s	July	1932	5,000 00
Brockton City Bonds	3½s	Nov.	1932	10,000 00
Minneapolis, Minn., City Bonds	3½s	Jan.	1933	5,000 00
Berlin, N. H., City Bonds	4½s	July	1933	4,000 00
New Britain, Conn., City Bonds	4s	Aug.	1933	5,000 00
Fremont, Elkhorn & Missouri River Railroad Company, Railroad Bonds	6s	Oct.	1933	5,000 00
Seattle, Wash., City Bonds	4½s	July	1934	10,000 00
Berlin, N. H., City Bonds	4½s	July	1934	5,000 00
Augusta, Maine, Water District Bonds	4s	Aug.	1934	10,000 00
Waterbury, Conn., City Bonds	3½s	Jan.	1935	10,000 00
Berlin, N. H., City Bonds	4½s	July	1935	5,000 00
Maine Central Railroad Bonds	4½s	Dec.	1935	100,000 00
Fall River City Bonds	4s	Mar.	1936	15,000 00
Boston City Bonds	3½s	April	1936	25,000 00
Berlin, N. H., City Bonds	4½s	July	1936	5,000 00
Newport, R. I., City Bonds	4¼s	Oct.	1936	5,000 00
Berlin, N. H., City Bonds	4½s	July	1937	5,000 00
Detroit, Mich, City Bonds	4½s	Sept. 15,	1937	15,000 00
Newport, R. I., City Bonds	4¼s	Oct.	1937	5,000 00
Berlin, N. H., City Bonds	4½s	July	1938	5,000 00
Newport, R. I., City Bonds	4¼s	Oct.	1938	5,000 00
Hartford, Conn., City Bonds	4½s	Feb.	1939	13,000 00
<i>Amount carried forward</i>				\$1,026,300 00

<i>Amount brought forward</i>				\$1,026,300 00
Berlin, N. H., City Bonds	4½s	July	1939	5,000 00
Toledo, Ohio, City Bonds	4s	Sept.	1939	15,000 00
Dayton, Ohio, City Bonds	4½s	Sept.	1939	8,000 00
New Hampshire, State Bonds	4½s	Dec.	1939	50,000 00
New Jersey State Bonds	4¼s	Jan.	1940	50,000 00
Dayton, Ohio, City Bonds	4½s	Sept.	1940	8,000 00
Toledo, Ohio, City Bonds	4s	Sept.	1940	15,000 00
New Hampshire State Bonds	4½s	Dec.	1940	50,000 00
Illinois State Bonds	4s	Mar.	1941	10,000 00
Stamford, Conn., City Bonds	4½s	July	1941	10,000 00
Boston & Maine R. R. Co., Railroad Bonds	5s	Mar.	1942	40,000 00
Portland, Maine, Water District Bonds	4s	May	1942	40,000 00
Jersey City, N. J., City Bonds	4¾s	June	1942	5,000 00
St. Louis, Mo., City Bonds	4¼s	Nov.	1942	25,000 00
Illinois State Bonds	4s	Mar.	1943	40,000 00
Jersey City, N. J., City Bonds	4¾s	June	1943	5,000 00
Nashua, N. H., City Bonds	4¼s	July	1943	7,000 00
Jersey City, N. J., City Bonds	5s	Oct.	1943	50,000 00
Cleveland, Ohio, City Bonds	5s	Mar.	1944	15,000 00
Louisiana State Bonds	5s	Mar.	1944	50,000 00
Newark, N. J., City Bonds	4½s	Mar. 15,	1944	50,000 00
Nashua, N. H., City Bonds	4¼s	July	1944	10,000 00
Portland, Maine, Water District Bonds	4s	Aug.	1944	60,000 00
Providence, R. I., City Bonds	4s	Jan.	1945	100,000 00
Cleveland, Ohio, City Bonds	5s	Mar.	1945	15,000 00
Cleveland, Ohio, City Bonds	3¾s	Oct.	1945	6,000 00
Omaha, Neb., City Bonds	4½s	Nov.	1945	50,000 00
Milwaukee, Wis., City Bonds	4½s	July	1946	25,000 00
Cleveland, Ohio, City Bonds	5s	Mar.	1946	20,000 00
Canton, Ohio, City Bonds	5½s	Dec.	1947	5,000 00
Missouri State Bonds	4½s	Oct.	1948	50,000 00
Canton, Ohio, City Bonds	5½s	Dec.	1949	5,000 00
United States Liberty Bonds, Fourth Loan..	4¼s	Oct. 15,	1938	675,000 00
United States Treasury Notes	4¼s	Oct. 15,	1952	200,000 00
				<hr/>
				\$2,795,300 00

The following are the investments belonging to the Water Loan Fund:

Cambridge City Bonds.....	4s	Mar.	1931	\$500 00
Cambridge City Bonds.....	4s	Mar.	1932	500 00
Cambridge City Bonds.....	4s	Mar.	1933	500 00
Cambridge City Bonds.....	3½s	April	1933	1,000 00
Cambridge City Bonds.....	3½s	Nov.	1934	4,000 00
Cambridge City Bonds.....	4s	Feb.	1936	45,000 00
Cambridge City Bonds.....	4s	May	1936	1,000 00
Cambridge City Bonds.....	3½s	Sept.	1937	3,000 00
Cambridge City Bonds.....	3½s	Aug.	1938	22,000 00
Cambridge City Bonds.....	3½s	April	1943	5,000 00
Quincy City Bonds.....	4s	May	1930	3,000 00
Quincy City Bonds.....	4s	May	1931	3,000 00
Quincy City Bonds.....	4s	May	1932	1,000 00
Newton City Bonds.....	4s	Aug.	1935	2,000 00
Dayton, Ohio, City Bonds.....	4½s	Aug.	1935	19,000 00
St. Louis, Mo., City Bonds.....	4½s	April	1935	10,000 00
Toledo, Ohio, City Bonds.....	4½s	Nov.	1935	25,000 00
Rhode Island State Bonds.....	3s	April	1936	27,000 00
Newton City Bonds.....	4s	July	1936	11,000 00
Salem City Bonds.....	3½s	Sept.	1936	5,000 00
Toledo, Ohio, City Bonds.....	4½s	Sept.	1936	10,000 00
Dayton, Ohio, City Bonds.....	4½s	Oct.	1936	25,000 00
San Francisco, Cal., City Bonds.....	4½s	Nov.	1936	10,000 00
Grafton Town Bonds.....	3½s	July	1937	1,000 00
Old Colony R. R. Co. Railroad Bonds.....	4s	Jan.	1938	25,000 00
Grafton Town Bonds.....	3½s	July	1938	2,000 00
Grafton Town Bonds.....	3½s	July	1939	2,000 00
Federal Land Bank.....	4½s	Jan.	1943	50,000 00
United States Bonds, Fourth Liberty Loan..	4½s	Oct. 15,	1938	70,000 00
				<hr/>
				\$383,500 00

Municipal bonds to the amount of \$149,000 became due during the year ending March 31, 1930, and were paid from this fund. The total amount of municipal debt to be paid from the Sinking Fund now outstanding is \$3,941,950. Deducting the present amount of the Sinking Funds at par value, \$2,862,326.45, leaves the net amount of Municipal debt chargeable to this fund March 31, 1930, \$1,079,623.55. There will be due to this fund from taxation November 30, 1930, the sum of \$64,135.25. During the coming financial year Municipal bonds to the amount of \$359,000 will become payable from this fund.

Water bonds to the amount of \$10,000 became due during the year and were paid from the fund. The total amount of water debt now outstanding is \$397,500. The present amount of the Sinking Funds at par value, \$404,317.61, leaves a surplus in the

fund March 31, 1930 of \$6,817.61. During the coming year no bonds will become payable from the fund.

All Municipal debt either for Municipal purpose or for Water Works must be issued serially and this Board has no duty to perform in regard to any debt now incurred for any purpose.

For convenience in keeping the accounts of the funds the first Commissioners of both the Municipal and Water Funds entered all bonds purchased at par value, regardless of the price paid for them, and entered all interest received at the gross amount without any deducting for the proportions of premium paid and this practice has continued to the present time.

Owing to a decision of the Supreme Court the Commissioners now require collateral as security for all deposits exceeding \$15,000. This collateral is held in a box in the safe deposit vaults, which can be opened only by the use of two keys, one of which is held by the Chairman of the Commissioners and the other by the bank.

ROBERT W. KNOWLES,
GUSTAVUS GOEPPER,
WILLIAM H. REARDON,
ALBERT E. LYNCH
WILLIAM W. WADDEN, JR.
*Commissioners of the Sinking Funds
of the City of Cambridge.*

REPORT OF THE COMMITTEE ON FINANCE

The annual report of the Committee on Finance is herewith submitted, it being for the financial year ending March 31, 1930.

Following is a summarized statement of the annual estimates as reported to the City Council at the beginning of the year:

City Council	\$13,365 00
Clerk of Committees	8,477 00
Executive Department	20,015 00
Auditing Department	16,836 00
Treasurer and Collector	51,790 00
Administration of Sinking Funds	650 00
Assessors' Department	33,036 00
License Commission	7,642 00
Pole and Conduit Commission	300 00
City Clerk	19,284 00
City Messenger	5,387 00
Postage and Stationery	500 00
Law Department	13,812 00
Election Commission	36,814 00
Engineering Department	25,337 00
Civil Service and Labor Registration	825 00
Inspection of Buildings	24,682 00
Municipal Buildings	62,033 00
Police Department	581,079 00
Fire Department	479,455 00
Electrical Department	73,960 00
Sealer of Weights and Measures	11,454 00
Forestry Department	27,489 00
Health Department	93,951 00
Tuberculosis Hospital	60,984 00
Laboratory	6,865 00
Dental Clinic	16,252 00
Inspection of Animals	2,800 00
Sewer Maintenance	52,635 00
Street Sanitary	339,350 00
Street Maintenance	390,675 00
Edgestones and Sidewalks	40,000 00
Street Stables	115,000 00
Boston and Cambridge Bridges	19,587 00
Street Lighting	120,000 00
Municipal Hospital	189,618 00
City Home	71,730 00
Outside Aid	268,860 00
Soldiers' Benefits	71,630 00
School Department	1,867,909 72
Library	95,638 00
Park Maintenance	85,825 50
Playground Maintenance	49,500 00
Cemetery Department	63,533 00
<i>Amount carried forward</i>	<i>\$5,536,565 22</i>

<i>Amount brought forward</i>	\$5,536,565 22
Fletcher School Baths.....	2,500 00
Haggerty School Baths.....	1,500 00
Roberts School Baths.....	2,500 00
Thorndike School Baths.....	4,000 00
Reserve Fund.....	110,000 00
Game Warden.....	50 00
Militia.....	2,000 00
Public Celebrations.....	6,000 00
Memorial Day.....	3,750 00
Planning Board.....	500 00
Board of Appeal.....	500 00
Annual Documents.....	2,500 00
G. A. R. Headquarters.....	400 00
Russell E. Hoyt Post, 299, Headquarters.....	1,500 00
Telephone Exchange.....	5,000 00
Pensions.....	100,000 00
Damage to Person and Property.....	12,000 00
Revision of City Ordinances.....	500 00
Sinking Funds.....	68,720 25
Serial Loans.....	686,500 00
Interest.....	482,173 68
	<hr/>
Estimated Revenue.....	\$7,029,159 15
	<hr/>
Leaving amount to be provided for.....	\$5,429,159 15

The Committee recommends that this amount be provided for by assessment upon the polls and estates of the inhabitants of Cambridge, etc., for the current year, being the amount required for Municipal, School and Public Safety Departments for the year.

Cash on hand March 31, 1930..... \$1,957,317 84

RECEIPTS

Permits.....	\$473 15	
Court Fines.....	1,410 71	
City Clerk.....	240 95	
Hospital.....	2,609 24	
Metered Water Rates.....	798 30	
School.....	19,330 98	
Annual Water Rates.....	12 00	
Miscellaneous Water Rates.....	23 83	
Interest.....	6,109 84	
Licenses, Agency Account.....	367 00	
Offal.....	547 00	
Library.....	1,095 61	
Insurance.....	159 00	
Driveway Deposits.....	1,123 86	
Water Deposits.....	554 80	
Cemetery.....	6,999 83	
Tailing Account.....	587 11	
Refunds.....	187 00	
		42,630 21
		<u>\$1,999,948 05</u>

EXPENDITURES

Draft 542.....	\$14,364 20	
Draft 543	123 50	
Draft 544.....	12,676 11	
Draft 545.....	590 51	
Draft 546.....	7,461 23	
Draft 547.....	12 00	
Draft 548.....	29,638 03	
Draft 549.....	6,073 91	
Draft 550.....	6,554 15	
Draft 551.....	2,341 63	
Draft 552.....	114,931 22	
Draft 553.....	872,893 76	
Draft 554.....	1,356 25	
Draft 555.....	215 06	
Draft 556.....	8,812 50	
Draft 557.....	1,327 50	
Draft 555A.....	9,652 89	
Draft 558.....	23,245 99	
Draft 615, 1929 Adjustment.....	05	
Draft 559.....	293 72	
		<u>\$1,112,564 21</u>

Which deducted from the foregoing total receipts shows a balance in the City Treasurer's hands as of March 31, 1930 of	<u>\$887,383 84</u>
Cash balance March 30, 1929	\$282,011 00
Cash receipts for the year ending March 31, 1930	15,269,358 84
Total cash for the year ending March 31, 1930	\$15,551,369 84
Total cash expenditures, etc., for the year ending March 31, 1930 ..	14,663,986 00
Which deducted from the total receipts shows a cash balance of March 31, 1930.....	<u>\$887,383 84</u>

ANNUAL REPORT OF THE FIRE DEPARTMENT

For the Year Ending March 31, 1930

To His Honor the Mayor and the City Council:

In compliance with requirements of the City Ordinances I respectfully submit the annual report of the Cambridge Fire Department for the year ending March 31, 1930.

The report contains the cost of maintenance, membership, condition of apparatus, a record of fire and alarms of fire, the cause thereof, as near as could be ascertained, the value of property at risk, the insurance thereon, the loss or damage sustained, and such other information that may be of interest.

The Department answered six hundred and fifty (650) box alarms and six hundred and sixty-five (665) still or telephone calls, a total of one thousand, three hundred and fifteen (1,315) calls during the year.

The total value and the losses, together with the insurance and the insurance paid, were as follows:

	Value	Loss	Insurance	Insurance Paid
Buildings.....	\$8,107,739 74	\$258,360 38	\$6,527,404 60	\$255,085 38
Contents.....	1,813,162 23	70,232 25	1,617,377 35	59,836 28
Total.....	\$9,920,901 97	\$328,592 63	\$8,144,781 95	\$354,921 66

FINANCIAL STATEMENT

Department appropriation for salaries.....	\$448,500 00
Department appropriation for general expenses.....	30,955 00
Unexpended balance from salaries.....	35
Unexpended balance from general expenses.....	717 77

ORGANIZATION

The manual force of the Department, March 31, 1930 consisted of one hundred and ninety-six (196) members as follows: one (1) chief, two (2) deputy chiefs, fourteen (14) captains, one (1) captain, master mechanic, twelve (12) lieutenants and one hundred and sixty-six (166) privates, and one (1) civilian with the rank of mechanic.

There are nine (9) motor pumping engines, and four (4) aerial ladder companies.

During the year eleven (11) privates were appointed, six (6) to fill vacancies and five (5) additional members to the force, one (1) resigned and four (4) were pensioned as follows: Connors, William J., Engine No. 4; Creedon, William H., Ladder No. 2; Welsh, James P., Engine No. 6; O'Callahan, John P., Engine No. 3.

DEATHS

Creedon, William H. (pensioned member, died June 14, 1929).

Private McGrath, William F. (died while working at Fire, Box 39, on February 20, 1930).

The ranking force of the Department with name and assignment are as follows:

Chief

JAMES M. CASEY

Deputy Chiefs

CUTLER L. VOSE

ALBERT R. WAIT

Chief's Clerk

EDWARD E. GAUGHAN

Chief's Aides

GEORGE A. REGAN

GEORGE E. BLOMQUIST

APPARATUS

The apparatus of the Department consists of the following:

Nine (9) motor pumping engines of 750 gallons capacity each.

One (1) motor pumping engine of 1,000 gallons capacity.

Eight (8) motor combination hose and chemical carriers.

Three (3) 75-foot aerial motor ladder trucks.

One (1) 85-foot aerial motor ladder truck.

One (1) fully equipped floodlight apparatus.

One (1) repair of wrecking truck.

Two (2) Automobiles for chief and deputy chiefs.

Ladder Company No. 2 and Ladder Company No. 3 are equipped with tower Pipes.

APPARATUS IN RESERVE

One (1) triple combination pump, hose and chemical engine, capacity 750 gallons per minute.

One (1) city service ladder truck fully equipped.

One (1) horse-drawn ladder truck fully equipped.

One (1) horse-drawn combination hose and chemical wagon.

HOSE

There is now in service and reserve eighteen thousand (18,000) feet of two and one-half ($2\frac{1}{2}$)-inch cotton rubber lined hose, and three thousand, four hundred and fifty (3,450) feet of three-quarter ($\frac{3}{4}$) inch rubber chemical hose.

INSPECTIONS

This branch of the Department has been active during the year in the work of fire prevention and public safety. Inspections made by the officers of the Department under the supervision of the Chief of Department totaled sixteen thousand and eighty (16,080) inspections.

FATALITIES

Mr. Humbert Ferria, age 32, of 29 Sargent Street, lost his life on attic floor from suffocation and burns on December 3, 1929. Mrs. Ursula Zankus, age 48, Miss Blanche Zankus, age 16, and Miss Agnes Zankus, age $2\frac{1}{2}$ years, of No. 4 Hunting Street, died from the effects of poisonous gas and smoke after being taken to the Cambridge Municipal Hospital from the fire.

RECOMMENDATIONS

I renew my recommendation that a suitable building be erected as a repair shop so that the repairing of the apparatus can be properly carried on; and that a drill tower be erected so that the members of the Department can be schooled in the proper handling of hose, ladders, etc.; also that appropriations be made to replace or remodel the following fire stations: Engine Company No. 2, Engine Company No. 7, Engine Company No. 9, Ladder Company No. 2, Ladder Company No. 3.

CONCLUSION

To his honor the Mayor and the members of the City Council I extend my thanks for the interest taken in matters pertaining to the Fire Department. To the officers and members of the Department I express my appreciation for the ability, faithful and ever-ready performance of duty. To the Police, Water and Electrical Departments my thanks are due and hereby extended for the coöperation and assistance rendered to the Fire Department.

Respectfully submitted,

JAMES M. CASEY,
Chief of Fire Department.

FIRE DEPARTMENT ROSTER

Chief.....	James M. Casey
Deputy Chief.....	Albert L. Vose
Deputy Chief.....	Albert R. Wait
Captain, Master Mechanic.....	William J. Reilly
Private, Assistant Master Mechanic.....	Hugh J. Powers
Private, Chief's Clerk.....	Edward E. Gaughan
Private, Chief's Aide.....	George A. Regan
Private, Chief's Aide.....	George E. Blomquist
Civilian Mechanic.....	Joseph P. Flynn

ENGINE COMPANY No. 1

176 River Street

Captain.....	Daniel E. Shea
Lieutenant.....	Timothy F. McCarthy
Permanent Private.....	William T. Anderson
Permanent Private.....	Henry A. Cutting
Permanent Private.....	Leo A. Diehl
Permanent Private.....	Edward J. Griffin
Permanent Private.....	Joseph B. Higgins
Permanent Private.....	Hiram W. Hooker
Permanent Private.....	Francis R. Jefferson
Permanent Private.....	Patrick J. Murphy
Permanent Private.....	Thomas F. Sweeney
Permanent Private.....	Manuel G. Travers

ENGINE COMPANY No. 2

378 Massachusetts Avenue

Captain.....	John H. Dardis
Lieutenant.....	Henry J. O'Brien
Permanent Private.....	Thomas H. Anderson
Permanent Private.....	Charles A. Cairns
Permanent Private.....	William Dias
Permanent Private.....	Horace Eagleson
Permanent Private.....	Arthur J. Foster
Permanent Private.....	Thomas L. Galvin
Permanent Private.....	Patrick J. Hayes
Permanent Private.....	Dennis McCarthy
Permanent Private.....	Thomas V. McGrath
Permanent Private.....	John J. Murphy, No. 2
Permanent Private.....	Daniel J. O'Connell
Permanent Private.....	William A. Witham

ENGINE COMPANY No. 3

Third and Gore Streets

Captain.....	George L. Church
Lieutenant.....	Frank J. Murray
Permanent Private.....	Francis J. Belcher
Permanent Private.....	William F. Bulger
Permanent Private.....	James A. S. Drinkwater
Permanent Private.....	Henry E. Findley
Permanent Private.....	Daniel J. Holleran
Permanent Private.....	Edward J. Looney
Permanent Private.....	Daniel J. Manley
Permanent Private.....	James Stack
Permanent Private.....	John J. Stanton
Permanent Private.....	Francis J. Sweeney

ENGINE COMPANY No. 4

2029 Massachusetts Avenue

Captain.....	Arthur L. Marshall
Lieutenant.....	Redmond M. Burke
Permanent Private.....	Walter L. Allen
Permanent Private.....	Leo G. Cook
Permanent Private.....	William J. Coyne
Permanent Private.....	Edward L. Cuthbert
Permanent Private.....	John J. Ford
Permanent Private.....	James H. Glennon
Permanent Private.....	Thomas A. Haley
Permanent Private.....	John T. Henderson
Permanent Private.....	Thomas J. King
Permanent Private.....	Thomas J. Lovett
Permanent Private.....	Arthur J. Tremblay

ENGINE COMPANY No. 5

Inman Square

Captain.....	Herman E. Gutheim
Captain.....	William F. Newman
Permanent Private.....	Joseph Bedard
Permanent Private.....	John J. Callan
Permanent Private.....	Frank A. Casey
Permanent Private.....	William J. Curry
Permanent Private.....	Edward F. Fitzgerald
Permanent Private.....	Jeremiah F. Hayes
Permanent Private.....	William G. Johnson
Permanent Private.....	Luke F. Masterson
Permanent Private.....	Edward T. Murphy
Permanent Private.....	Charles F. O'Connor
Permanent Private.....	David J. Ryan
Permanent Private.....	George A. Ryan
Permanent Private.....	George W. Stevens
Permanent Private.....	Timothy F. White

ENGINE COMPANY No. 6

176 River Street

Captain.....	Frank W. McGrath
Lieutenant.....	James H. McCabe
Permanent Private.....	William J. Campbell
Permanent Private.....	George H. Carrier
Permanent Private.....	Edward F. Daisy
Permanent Private.....	John J. Dinneen
Permanent Private.....	James E. Jefferson
Permanent Private.....	Laurence H. Johnson
Permanent Private.....	Henry E. Kilfoyle
Permanent Private.....	Edward A. Malone
Permanent Private.....	Thomas F. Mullins
Permanent Private.....	John J. Murphy, No. 1

ENGINE COMPANY No. 7

Corner Dock and Main Streets

Captain.....	Thomas F. O'Connell
Lieutenant.....	William J. Atkinson
Permanent Private.....	Joseph T. Ballantine

Permanent Private.....	James B. Burrell
Permanent Private.....	Edward J. Campbell
Permanent Private.....	Benjamin J. Cavanaugh
Permanent Private.....	James E. Cunha
Permanent Private.....	William F. Davidson
Permanent Private.....	Frank Foster
Permanent Private.....	Francis J. G. Hanley
Permanent Private.....	Joseph S. Hayes
Permanent Private.....	Joseph E. McKenna
Permanent Private.....	Cornelius O'Connell
Permanent Private.....	Otis D. Powers

ENGINE COMPANY No. 8

Junction of Garden and Sherman Streets

Captain.....	William J. Anderson
Lieutenant.....	John Gibson
Permanent Private.....	Alfred J. Boisvert
Permanent Private.....	Lawrence A. Bolduc
Permanent Private.....	Charles L. Carrier
Permanent Private.....	William J. Doliber
Permanent Private.....	Francis V. Doyle
Permanent Private.....	John J. Flavin
Permanent Private.....	William V. Jefferson
Permanent Private.....	Robert F. Kelley
Permanent Private.....	John J. Murphy, No. 3
Permanent Private.....	Maurice J. Murphy
Permanent Private.....	John P. Wallace
Permanent Private.....	Thomas L. Wilkshire

ENGINE COMPANY No. 9

167 Lexington Avenue

Captain.....	Richard J. Doyle
Lieutenant.....	Timothy Curran
Permanent Private.....	John E. Bagwell
Permanent Private.....	Edmund M. Burke
Permanent Private.....	Elzear D. Breton
Permanent Private.....	Charles H. Cooke
Permanent Private.....	Lawrence A. Corcoran
Permanent Private.....	Charles P. Cox
Permanent Private.....	George E. Lorrigan
Permanent Private.....	Michael T. Munyon
Permanent Private.....	James H. Sullivan
Permanent Private.....	Jeremiah J. Sullivan

LADDER COMPANY No. 1

City Building, Brattle Square

Captain.....	John D. Shea
Lieutenant.....	Warren A. Dale
Permanent Private.....	Charles A. Anderson
Permanent Private.....	John J. Balfe
Permanent Private.....	Ralph Barnes
Permanent Private.....	James W. Breslin
Permanent Private.....	Edward R. Caldwell
Permanent Private.....	George Cotter
Permanent Private.....	Andrew L. Gelinas
Permanent Private.....	Thomas W. Lane
Permanent Private.....	John L. Lavey

Permanent Private.....	Joseph C. Lehan
Permanent Private.....	David C. Murphy
Permanent Private.....	John H. O'Leary
Permanent Private.....	Aloysius O'Reilly
Permanent Private.....	Edward J. Shea
Permanent Private.....	Laurence M. Tarbox
Permanent Private.....	Daniel A. Walsh

LADDER COMPANY No. 2
Corner Thorndike and Portland Streets

Captain.....	Dennis R. Sullivan
Lieutenant.....	Charles J. McElroy
Permanent Private.....	William A. C. Acford
Permanent Private.....	Edwin R. Bradshaw
Permanent Private.....	James J. Fitzgerald
Permanent Private.....	William E. Foley
Permanent Private.....	Ursise E. Fournier
Permanent Private.....	George H. Friel
Permanent Private.....	Edward R. Harrington
Permanent Private.....	Joseph King
Permanent Private.....	Thomas J. Lane
Permanent Private.....	Daniel P. Moynihan
Permanent Private.....	Michael Mullen
Permanent Private.....	Joseph T. Neves
Permanent Private.....	Thomas F. O'Connor
Permanent Private.....	Joseph Silveria
Permanent Private.....	Arthur W. Tisdale
Permanent Private.....	Edward J. Tobin

LADDER COMPANY No. 3
394 Massachusetts Avenue

Captain.....	William C. Richardson
Lieutenant.....	Edward F. Kelley
Permanent Private.....	Louis C. Avery
Permanent Private.....	Emerill B. Beucler
Permanent Private.....	John A. Cardodo
Permanent Private.....	William J. Connell
Permanent Private.....	Louis H. Fabry
Permanent Private.....	Noel A. Landry
Permanent Private.....	Michael F. Maloney
Permanent Private.....	John P. McPherson
Permanent Private.....	Joseph A. Mills
Permanent Private.....	Joseph A. Mullen
Permanent Private.....	Timothy J. Murphy
Permanent Private.....	Eugene L. O'Keefe
Permanent Private.....	William Quayle
Permanent Private.....	Edward F. Traynor
Permanent Private.....	Joseph H. Vargus

LADDER COMPANY No. 4
Junction of Garden and Sherman Streets

Captain.....	Edward F. Conroy
Lieutenant.....	Joseph H. Caldwell
Permanent Private.....	John F. Collins
Permanent Private.....	James E. Crowley
Permanent Private.....	Joseph R. Flynn

Permanent Private.....	John J. Drinan
Permanent Private.....	Matthew F. Gleason
Permanent Private.....	Warren A. Hardy
Permanent Private.....	Andrew P. Keenan
Permanent Private.....	Frank A. Lyshorn
Permanent Private.....	Michael J. Mahoney
Permanent Private.....	Joseph W. McCloskey
Permanent Private.....	Michael J. Murphy
Permanent Private.....	Thomas W. Murphy
Permanent Private.....	William F. Newman, Jr.
Permanent Private.....	Hugh P. Quinn

CAUSES OF FIRES AND ALARMS

Accidents.....	5
Aiding or assisting persons.....	11
Automobiles.....	151
Bonfires.....	15
Careless workmen.....	5
Careless use of lighted candle.....	7
Careless use of lighted cigarette.....	82
Careless use of lighted match.....	63
Children playing with matches.....	31
Chimney fires (soot).....	67
Clothing, etc., near hot stove or pipe.....	3
Curtains blowing against flame.....	1
Defective A. D. T. system.....	15
Defective automatic system.....	5
Defective sprinkler system.....	33
Defective acetylene torch.....	3
Defective plumber's torch.....	1
Defective wiring in buildings.....	7
Defective wiring on poles.....	8
Defective wiring on street cars.....	5
Defective chimneys.....	13
Dump fires.....	57
False alarms.....	130
Fat or meat on stoves or in ovens.....	28
Fireworks or firecrackers.....	20
Freight cars.....	1
Fumes from inflammable fluids.....	26
Grass or brush.....	69
Hot ashes in wood box or barrel.....	23
Hot electric appliances.....	10
Hot pipe in smokers' clothes.....	2
Incendiary.....	12
Kerosene stoves and lamps or gas stoves.....	14
Leaves in street or yard.....	3
Lightning.....	1
Needless or unnecessary.....	13
Oil burners.....	17
Old trees.....	4
Open or defective fireplaces.....	4
Overheated stove or smoke pipes.....	26
Responded outside of city limits.....	32
Rubbish in street, building or yard.....	58
Rats and matches.....	5
Set by boys.....	43
Short circuits in motors or batteries.....	9
Smoke or steam mistaken for fire.....	50

Smoky stoves or chimney	9
Sparks from chimneys	32
Sparks from locomotives	5
Sparks from stove or furnace	11
Smoking in bed	7
Spontaneous combustion	23
Static Electricity	9
Tar kettles	3
Thawing frozen water pipes	4
Unknown	24
	<hr/>
	1,315 alarms

REPORT OF THE CHIEF OF POLICE

Cambridge, Mass., April 1, 1930.

To His Honor the Mayor and the City Council:

In compliance with the City Ordinance I have the honor to submit the annual report of the Police Department for the year ending March 31, 1930.

ORGANIZATION OF THE DEPARTMENT

Rank	Salary
1 Chief.....	\$4,500 00 per year
8 Captains.....	3,000 00 per year
9 Lieutenants.....	2,750 00 per year
20 Sergeants.....	2,550 00 per year
180 Patrolmen.....	2,190 00 per year
33 Reserve Patrolmen.....	1,782 50 first year 1,982 50 second year 2,190 00 third year
1 Policewoman.....	2,190 00 per year
2 Matrons.....	21 50 per week

DEPARTMENT ROSTER

Name	Rank	Date of Appointment
McBRIDE, JOHN J., Chief.....	Chief	April 27, 1887
BRENNAN, MICHAEL J., Captain.....	Captain	April 14, 1884
CANNEY, JOHN J., Captain.....	Captain	May 28, 1901
DONAHUE, JOSEPH J., Captain.....	Captain	April 26, 1904
GINTY, WILLIAM B., Captain.....	Captain	April 26, 1903
LEAHY, TIMOTHY F., Captain.....	Captain	September 6, 1898
HURLEY, PATRICK J., Captain.....	Captain	October 20, 1886
MURRAY, JAMES E., Captain.....	Captain	May 18, 1870
WELCH, EDWARD J., Captain.....	Captain	November 14, 1893
AYLWARD, RICHARD H., Lieutenant.....	Lieutenant	December 30, 1890
DOUGLAS, ROBERT J., JR., Lieutenant.....	Lieutenant	April 26, 1904
KELLEY, JOSEPH J., Lieutenant.....	Lieutenant	April 3, 1903
McCORMY, JOSEPH F., Lieutenant.....	Lieutenant	September 15, 1891
MURRAY, PATRICK J., Lieutenant.....	Lieutenant	April 7, 1884
SHANNON, JOSEPH H., Lieutenant.....	Lieutenant	May 24, 1894
WINSLOW, JOHN E., Lieutenant.....	Lieutenant	January 22, 1889
WYMAN, CHARLES W., Lieutenant.....	Lieutenant	May 29, 1900
BATEMAN, WELLINGTON D., Sergeant.....	Sergeant	March 1, 1914
BRADLEY, CHARLES E., Sergeant.....	Sergeant	May 29, 1900
CURTIN, WILLIAM A., Sergeant.....	Sergeant	January 13, 1909
DONELAN, CHARLES P., Sergeant.....	Sergeant	June 10, 1919
FALVEY, TIMOTHY F., Sergeant.....	Sergeant	April 1, 1915
KING, JOHN R., Sergeant.....	Sergeant	July 2, 1921
LANDRIGAN, JAMES, Sergeant.....	Sergeant	June 20, 1911
LINEHAN, RICHARD J., Sergeant.....	Sergeant	October 24, 1917
MAHER, EDWARD J., Sergeant.....	Sergeant	April 1, 1915
MALLAHAN, CHARLES E., Sergeant.....	Sergeant	March 1, 1914

McCAFFERY, BERNARD J., Sergeant	June	30, 1891
McCARNEY, PATRICK J., Sergeant	April	1, 1915
McMAHON, MICHAEL, Sergeant	April	25, 1905
MAHONEY, GEORGE J., Sergeant	December	28, 1897
MULVANEY, SIMON J., Sergeant	February	23, 1892
NEILON, JOHN P., Sergeant	May	8, 1899
O'DELL, WILLIAM L., Sergeant	June	10, 1908
PRESHO, CHARLES H., Sergeant	February	4, 1896
READY, PATRICK J., Sergeant	January	1, 1916
STOKES, THOMAS J., Sergeant	August	1, 1913
ACKERLY, JOHN M., Patrolman	April 26,	1910
AYLWARD, HENRY J., Patrolman	January	9, 1928
ANDERSON, WILLIAM, Patrolman	October	17, 1925
ANDREW, FRANK, Patrolman	June	26, 1906
ARTHUR, SAMUEL, Patrolman	November	23, 1923
BAGAN, JOHN H., Patrolman	October	11, 1910
BERNIER, AIME J., Patrolman	February	16, 1927
BOURGET, JOSEPH A., Patrolman	April	3, 1906
BREEN, JOSEPH P., Patrolman	November	16, 1919
BURKE, THOMAS, 1st, Patrolman	April	26, 1904
BURKE, THOMAS, 2d, Patrolman	March	1, 1914
CAHALANE, JOHN, Patrolman	June	20, 1911
CALLAHAN, TIMOTHY J., Patrolman	October	24, 1917
CAMPBELL, THOMAS M., Patrolman	October	17, 1896
CANNEY, DANIEL F., Patrolman	June	20, 1911
CARROLL, THOMAS F., Patrolman	November	16, 1919
CHANT, JOSEPH T., Patrolman	November	23, 1926
CLEARY, MARK J., Patrolman	October	24, 1917
COFFEY, ARTHUR F., Patrolman	February	16, 1927
COLLINS, FREDERICK V., Patrolman	May	4, 1909
COMERFORD, EDWARD J., Patrolman	July	1, 1890
CORCORAN, TIMOTHY, Patrolman	January	27, 1880
COSGROVE, JOHN F., Patrolman	December	25, 1917
CRANE, TIMOTHY, Patrolman	November	6, 1903
CRONIN, MICHAEL F., Patrolman	November	23, 1926
CULHANE, ROBERT G., Patrolman	July	18, 1903
CUMMINGS, JOHN F., Patrolman	May	5, 1908
CUNNINGHAM, JOHN A., Patrolman	May	24, 1925
CUNNINGHAM, MARK E., Patrolman	January	5, 1927
CURRAN, MICHAEL J., Patrolman	May	5, 1909
CURTIN, PATRICK J., Patrolman	June	20, 1911
DALTON, GEORGE E., Patrolman	November	5, 1922
DAVIS, HARRY W., Patrolman	July	23, 1901
DEMPSEY, LAWRENCE P., Patrolman	June	26, 1906
DIEHL, ANTON B., Patrolman	August	8, 1899
DOHERTY, JOSEPH F., Patrolman	April	26, 1904
DONOVAN, EDWARD J., Patrolman	April	1, 1915
DONAHUE, JOHN J., Patrolman	May	3, 1924
DOYLE, ARTHUR D., Patrolman	November	23, 1926
DRISCOLL, WILLIAM J., Patrolman	October	20, 1918
DWYER, EDWARD, Patrolman	May	4, 1904
DYNAN, ANTHONY, Patrolman	June	11, 1911
DYNAN, LEO D., Patrolman	April	1, 1915
FABREY, FRANK J., Patrolman	May	5, 1908
FALVEY, JOHN H., Patrolman	January	28, 1914
FINNEGAN, JOHN D., Patrolman	November	5, 1922
FLYNN, JOHN E., Patrolman	November	5, 1922
FLYNN, WILLIAM, Patrolman	February	23, 1912
FOLEY, JOHN J., Patrolman	November	5, 1922
GALLAGHER, JEREMIAH J., Patrolman	April	26, 1910

GARDINER, FREDERICK D., Patrolman.....	December 25, 1925
GLENNON, EDWARD J., Patrolman.....	May 3, 1924
GORDON, EDWARD C., Patrolman.....	December 12, 1906
GORMLEY, RAYMOND L., Patrolman.....	May 3, 1924
GORMLEY, WILLIAM G., Patrolman.....	June 10, 1919
GRADY, JEREMIAH J., Patrolman.....	August 5, 1925
GUTOSKIE, FRANK H., Patrolman.....	July 26, 1904
HACKETT, MORTIMER M., Patrolman.....	November 28, 1893
HALLIDAY, HERBERT R., Patrolman.....	April 5, 1915
HAMEL, JOSEPH Patrolman.....	July 7, 1927
HANLON, DANIEL L., Patrolman.....	August 24, 1924
HARNEY, THOMAS M., Patrolman.....	April 1, 1915
HARNEY, WILLIAM H., Patrolman.....	October 31, 1911
HEALY, MICHAEL J., Patrolman.....	January 31, 1917
HEALY, JEROME V., Patrolman.....	May 4, 1926
HENRY, FRANK S., Patrolman.....	May 14, 1909
HOGAN, MARTIN, Patrolman.....	March 1, 1914
HORAN, JOHN S., Patrolman.....	November 5, 1922
HUGHES, MICHAEL F., Patrolman.....	June 23, 1926
HUGHES, ROY G., Patrolman.....	June 4, 1926
HUMPHREYS, WILLIAM J., Patrolman.....	June 30, 1911
KEANE, CLIFFORD L., Patrolman.....	July 11, 1921
KELLEHER, PATRICK J., Patrolman.....	October 31, 1923
KELLEHER, JOHN, Patrolman.....	December 28, 1897
KELLEY, EDWIN L., Patrolman.....	March 29, 1918
KELLEY, GEORGE E., Patrolman.....	October 23, 1923
KELLEY, JOSEPH B., Patrolman.....	October 24, 1917
KELLEY, JOSEPH J., Patrolman.....	November 23, 1926
KELLEY, MARK J., Patrolman.....	June 10, 1919
KELLEY, RICHARD A., Patrolman.....	November 5, 1922
KEOUGH, JAMES R., Patrolman.....	July 16, 1911
LARGENTON, AUGUSTUS J., Patrolman.....	July 18, 1903
LEAHY, DENNIS F., Patrolman.....	February 20, 1894
LEARY, THOMAS, Patrolman.....	November 16, 1919
LINDBERG, HORACE, Patrolman.....	May 4, 1926
LEHAN, CORNELIUS J., Patrolman.....	June 26, 1926
LINEHAN, CHARLES H., Patrolman.....	November 5, 1922
LINEHAN, JOHN F., Patrolman.....	October 23, 1923
LYNCH, DAVID E., Patrolman.....	April 1, 1911
LYONS, PETER J., Patrolman.....	July 20, 1918
MAHER, WALTER L., Patrolman.....	April 6, 1925
MAHONEY, JEREMIAH F., Patrolman.....	June 10, 1919
MARTIN, CHARLES O., Patrolman.....	November 23, 1926
McAULIFFE, THOMAS W., Patrolman.....	March 29, 1918
McCABE, EDWARD J., Patrolman.....	April 12, 1892
McCAFFREY, JOSEPH H., Patrolman.....	June 10, 1919
McCARTHY, DENNIS, Patrolman.....	April 1, 1915
McCREHAN, JOHN E., Patrolman.....	April 27, 1884
McCULLOUGH, FRANK C., Patrolman.....	March 17, 1913
McCULLOUGH, JOSEPH A., Patrolman.....	June 20, 1911
McDONNELL, WILLIAM A., Patrolman.....	November 23, 1926
McFADDEN, RICHARD M., Patrolman.....	August 18, 1899
McKEOWN, WILLIAM F., Patrolman.....	April 12, 1892
McLAUGHLIN, FRANCIS A., Patrolman.....	March 21, 1911
McLAUGHLIN, FRANCIS J., Patrolman.....	November 23, 1926
McLAUGHLIN, FRANCIS P., Patrolman.....	July 21, 1927
McMANUS, CHARLES F., Patrolman.....	October 17, 1925
McNAMARA, MATHEW J. F., Patrolman.....	July 20, 1918
MELLO, MANUEL C., Patrolman.....	October 2, 1908
MENTON, THOMAS J., Patrolman.....	November 5, 1922

MORRISSEY, THOMAS J., Patrolman	March	1, 1904
MORRISON, CHARLES P., Patrolman	January	9, 1928
MULLEN, ROBERT E., Patrolman	November	14, 1893
MULLEN, WILLIAM J., Patrolman	December	26, 1910
MULQUEENEY, JOHN P., Patrolman	April	12, 1911
MULVIHILL, JOHN F., Patrolman	March	1, 1914
MURPHY, EDWARD J., Patrolman	December	20, 1918
MURPHY, EDWARD L., Patrolman	April	1, 1915
MURPHY, PATRICK J., Patrolman	July	20, 1918
MURPHY, PETER J., Patrolman	April	26, 1904
MURRAY, GEORGE F., Patrolman	May	3, 1924
MURRAY, WILLIAM L., Patrolman	June	6, 1923
NIXON, WILLIAM L., Patrolman	November	16, 1919
NORMILE, MICHAEL C., Patrolman	March	26, 1912
O'BRIEN, EUGENE J., Patrolman	May	7, 1927
O'BRIEN, DENNIS W., Patrolman	April	6, 1912
O'BRIEN, JOHN J., Patrolman	April	26, 1904
O'CONNOR, JOSEPH, Patrolman	December	31, 1922
O'LOUGHLIN, THOMAS F., Patrolman	June	1, 1914
O'NEIL, FRANKLIN M., Patrolman	July	20, 1918
O'NEIL, MARTIN, Patrolman	May	4, 1924
PATTEN, GEORGE A., Patrolman	April	26, 1904
PAULINE, ANTHONY, Patrolman	September	31, 1923
POWERS, FRANCIS W., Patrolman	August	24, 1924
POWERS, JOHN H., Patrolman	July	7, 1927
PRIOR, JAMES A., Patrolman	October	29, 1924
PROUTY, JOHN H., Patrolman	August	24, 1924
QUIGLEY, CHARLES F., Patrolman	June	10, 1916
QUINN, JAMES F., Patrolman	December	3, 1922
REAGAN, JAMES F., Patrolman	April	26, 1910
REARDON, JEREMIAH F., Patrolman	July	20, 1918
RIENDEAU, JOSEPH L., Patrolman	March	1, 1914
RICE, JAMES F., Patrolman	October	31, 1923
ROBERTS, JOHN W., Patrolman	February	6, 1900
ROBERTSON, WILLIAM H., Patrolman	June	30, 1891
ROGAN, JOHN F., Patrolman	May	4, 1926
ROPER, GEORGE B., Patrolman	July	5, 1914
ROWE, WILLIAM H., Patrolman	May	24, 1892
RUSSELL, JAMES D., Patrolman	April	26, 1910
SCANNELL, JAMES J., Patrolman	October	17, 1925
SHANNON, THOMAS J., Patrolman	July	26, 1904
SHEA, PATRICK F., Patrolman	August	24, 1924
SHEA, THOMAS, Patrolman	May	13, 1902
SHEEHAN, CORNELIUS, Patrolman	June	2, 1903
SHEEHAN, JOHN J., Patrolman	June	2, 1903
SULLIVAN, EUGENE, Patrolman	October	11, 1910
SULLIVAN, DENNIS, Patrolman	February	6, 1903
TANSEY, JOSEPH F., Patrolman	April	3, 1906
TEMPLE, JOSEPH C., Patrolman	November	27, 1896
TEVLIN, JOHN J., Patrolman	April	26, 1910
TIERNEY, EDWARD F., Patrolman	May	4, 1926
TOOMEY, TIMOTHY J., Patrolman	October	24, 1917
TRANT, JOHN J., JR., Patrolman	July	2, 1921
TURCOTTE, AMOS, Patrolman	March	26, 1912
WAIT, ALBERT J., Patrolman	November	16, 1919
WALLACE, JAMES H., Patrolman	October	17, 1925
WALSH, DAVID L., Patrolman	August	8, 1899
WALSH, DAVID H., Patrolman	October	25, 1896
WALSH, JOHN, Patrolman	December	12, 1906
WARD, WILLIAM F., Patrolman	January	23, 1908

WARNOCK, RUSSELL C., Patrolman.....	July	7, 1927
HALLISEY, WILLIAM F., Reserveman.....	January	9, 1928
GAFFNEY, JOHN A., Reserveman.....	February	28, 1928
COOPER, STEWART F., Reserveman.....	February	28, 1928
DUGGAN, FRANCIS L., Reserveman.....	February	28, 1928
BURNS, ROBERT A., Reserveman.....	February	28, 1928
PATTEN, LEONARD E., Reserveman.....	May	6, 1928
BURGESS, WALTER H., Reserveman.....	May	6, 1928
CARROLL, DANIEL E., Reserveman.....	May	6, 1928
READY, DANIEL J., Reserveman.....	May	6, 1928
PATTEN, RAYMOND L., Reserveman.....	May	13, 1928
BARRETT, JOHN P., Reserveman.....	June	8, 1928
DORAN, JOSEPH F., Reserveman.....	June	24, 1928
RYAN, PHILIP J., Reserveman.....	September	13, 1928
McINTOSH, CLARENCE, Reserveman.....	September	13, 1928
COVELL, PAUL B., Reserveman.....	September	13, 1928
BANATT, WILLIAM A., Reserveman.....	October	7, 1928
NIXON, JAMES J., Reserveman.....	October	7, 1928
GAUDET, JOHN J., Reserveman.....	October	7, 1928
KILLION, JOHN J., Reserveman.....	December	25, 1928
CONNARTON, FRANCIS J., Reserveman.....	December	25, 1928
CREMENS, DENNIS J., Reserveman.....	March	1, 1929
ELDRIDGE, BERNARD J., Reserveman.....	March	1, 1929
CASEY, AENEAS M., Reserveman.....	March	1, 1929
GALLAGHER, RICHARD P., Reserveman.....	March	1, 1929
SHEA, JAMES J., Reserveman.....	March	1, 1929
O'CONNOR, JAMES D., Reserveman.....	March	1, 1929
TEEHAN, JOHN F., Reserveman.....	March	1, 1929
FITZMAURICE, ARTHUR J., Reserveman.....	March	1, 1929
SHEEHAN, FRANCIS J., Reserveman.....	March	1, 1929
OAKLAND, FREDERICK W., Reserveman.....	July	21, 1929
GORMAN VINCENT J., Reservemen.....	July	21, 1929
FLYNN, EDWARD P., Reservaman.....	October	24, 1929
FITZGERALD, JAMES D., Reserveman.....	January	4, 1930
TAYLOR, J. EDITH, Policewoman.....	March	5, 1919
BARROW, MARY A., Matron.....	May	2, 1919
O'HEARN, MARY, Matron.....	November	18, 1922

1 Lieutenant was promoted to the rank of Captain.

4 Reserve Officers were promoted to the rank of Patrolman

1 Patrolman was pensioned.

3 Patrolmen and 1 Captain died.

4 Patrolmen were dismissed.

4 Reserve Officers were appointed to the force.

In Memoriam

Patrolman GEORGE BARRINGTON
Appointed May 3, 1882. Died June 7, 1929

Captain JOHN F. POWERS
Appointed April 26, 1904. Died January 3, 1930

Patrolman CHARLES McGANN
Appointed May 2, 1889. Died February 5, 1930

Patrolman PATRICK J. DOYLE
Appointed January 31, 1877. Died March 19, 1930

PROMOTIONS AND APPOINTMENTS

Lieutenant William B. Ginty was promoted to Captain.

Joseph J. Hamel, Frank P. McLaughlin, Henry J. Aylward, and Charles P. Morrison were promoted to Patrolmen.

Frederick W. Oakland, Vincent J. Gorman, Edward P. Flynn and James D. Fitzgerald were appointed to the Force.

Patrolman James H. H. Holt was appointed December 28, 1887 and was retired December 7, 1929.

Four Patrolmen were discharged.

MISCELLANEOUS

Accidents.....	2,049	Defective wires.....	56
Bicycles found and recovered....	73	Defective street signs.....	87
Buildings found open and secured.	944	Defective streets and sidewalks.	1,127
Cases investigated.....	15,689	Disturbances suppressed.....	197
Dangerous buildings.....	5	Dogs killed.....	111
Dangerous chimneys.....		Fire alarms given.....	664
Dead bodies found.....	36	Fires extinguished without alarms	36
Defective catch basins.....	50	Lost children restored.....	286
Defective drains and vaults.....	34	Sick and injured persons assisted	670
Defective bridges.....	3	Stray automobiles put up.....	232
Defective trees.....	61	Street obstructions removed.....	245
Defective fire alarms and clocks..	57	Summonses served.....	1,090
Defective gas pipes.....	13	Summonses served for out of town	1,039
Defective water pipes.....	496	Warrants served for arrest.....	980
Defective hydrants.....	31	Persons reported missing.....	622
Defective lamps.....	2,284	Persons restored.....	140

NATIVITY OF PERSONS ARRESTED

Algiers.....	3	Italy.....	179
Armenia.....	2	India.....	1
Austria.....	7	Lithuania.....	86
Australia.....	1	Nova Scotia.....	1
Barbadoes.....	4	Norway.....	1
Canada.....	258	Newfoundland.....	3
China.....	5	Poland.....	88
East Indies.....	2	Portugal.....	112
England.....	32	Russia.....	135
France.....	8	South America.....	3
Finland.....	3	Scotland.....	31
Germany.....	15	Sweden.....	27
Greece.....	24	Syria.....	5
Hungary.....	2	Turkey.....	4
Holland.....	1	United States.....	4,316
Ireland.....	391	West Indies.....	43

OCCUPATIONS OF PERSONS ARRESTED

Agent.....	21	Clerk.....	140	Iceman.....	3
Automobile business	9	Conductor.....	9	Inspector.....	6
Baker.....	36	Contractor.....	20	Investigator.....	5
Barber.....	39	Cook.....	12	Iron worker.....	35
Bookbinder.....	14	Core maker.....	2	Janitor.....	37
Blacksmith.....	7	Dairy Man.....	12	Jeweler.....	1
Bookkeeper.....	13	Decorator.....	5	Junk dealer.....	7
Bootblack.....	2	Domestic.....	12	Laborer.....	1,871
Brass finisher.....	7	Electrician.....	25	Lather.....	3
Broker.....	2	Embalmer.....	2	Laundress.....	2
Butcher.....	25	Engineer.....	16	Leather cutter....	2
Butler.....	1	Expressman.....	9	Actor.....	1
Buyer.....	1	Farmer.....	4	Artist.....	1
Candy maker.....	11	Fireman.....	20	Laundryman	10
Belt maker.....	1	Foreman.....	21	Machinist.....	85
Caretaker.....	5	Dentist.....	3	Mail carrier.....	8
Carpenter.....	87	Gardener.....	11	Manager.....	24
Cooper.....	4	Grocer.....	2	Manufacturer.....	12
Chauffeur.....	534	Helper.....	11	Mason.....	15
Chef.....	13	Hotel keeper.....	17	Merchant.....	74
Chemist.....	2	Housekeeper.....	120	Milk dealer.....	7

Mill hand.....	4	Porter.....	11	Spinner.....	1
Motorman.....	2	Railroad man.....	4	Steamfitter.....	38
Moulder.....	13	Roofer.....	19	Storekeeper.....	35
None.....	377	Rubber worker....	114	Tailor.....	35
Nurse.....	4	Sailor.....	12	Teacher.....	5
Office boy.....	5	Salesman.....	250	Teamster.....	30
Painter.....	165	Student.....	67	Typist.....	1
Pattern maker....	10	School boy.....	76	Tinsmith.....	2
Physician.....	8	School girl.....	9	Tire maker.....	1
Plumber.....	37	Shipper.....	27	Truckman.....	8
Pin boy.....	1	Shoemaker.....	47	Upholsterer.....	6
Polisher.....	7	Soldier.....	1	Waiter.....	19
Police officer.....	5				.

NATURE OF OFFENCE

Crimes Against Person

Abduction.....	1	Accessory to fact of robbery.....	1
Assault..	1	Blackmail.....	
Assault, intent to rob.....	2	Manslaughter.....	19
Assault and battery.....	265	Murder.....	3
Assault an officer.....	7	Murder attempt.....	
Assault, dangerous weapon.....	14	Rape.....	22
Assault, indecent.....	5	Rape attempt.....	2
Attempt robbery.....	3	Robbery.....	18
Assault, attempt to rape.....	2	Threats and intimidations.....	14

Crimes Against Property

Extortion.....	4	Unlawful appropriation, automo- bile.....	22
Attempt larceny, automobile....	4	Conveying leased property.....	3
Breaking and entering.....	99	Attempt breaking, entering.....	10
Evading fare.....	19	Attempt to commit larceny.....	17
Larceny in building.....	3	Attempt larceny from person....	1
Larceny of automobile.....	15	Unlawful appropriation, horse...	1
Larceny.....	262	Having burglars' tools.....	9
Larceny from person.....	7	Larceny from automobile.....	1
Malicious mischief.....	28	Concealing leased property.....	1
Receiving stolen goods.....	11		
Trespass.....	56		

Crimes Against Public Order, etc.

Alien with gun.....	2	Disturbing public meeting.....	2
Accosting opposite sex.....	2	Disturbing the peace.....	191
Adultery.....	7	False measure.....	1
Abandonment.....	6	Keeping unlicensed dogs.....	38
Bribing police officer.....	1	Deserters.....	1
Attempt bribing police.....	1	Drunkenness.....	2,422
Bastardy.....	61	Keeping dangerous dog.....	1
Barking dog.....	1	Escaped prisoners.....	10
City ordinance violation.....	35	False alarm of fire.....	2
Common drunkard.....	3	Forgery.....	9
Failing to perform contract.....	5	Federal law violation.....	6
Carrying concealed weapon.....	8	Fornication.....	8
Contempt of court.....	7	Fugitive from justice.....	2
Distributing harmful medicine...	1	Gaming and present at.....	90
Conducting gaming house.....	2	House disorderly.....	3
Distributing circulars.....	3	Idle and disorderly.....	5
Breaking glass in street.....	11	Illegal transportation.....	5
Lord's Day violation.....	1	Incest.....	2

POLICE DEPARTMENT

149

Indecent exposure.....	9	Sodomy.....	1
Insane.....	31	Speaking without a permit.....	2
Lewd cohabitation.....	5	Non-payment of wages.....	9
Lewdness.....	19	Stubbornness.....	65
Liquor law violation.....	172	Truant.....	1
Escaped inmates.....	6	Tramps.....	3
Violating game laws.....	2	Unnatural act.....	25
Buying junk from minors.....	1	Being State pauper.....	2
Massaging females.....	1	Vagrants.....	8
Loitering.....	9	Violation of milk laws.....	6
Motor vehicles laws.....	889	Violation milk can and bottle law.....	7
Non-support.....	362	Violation electrical laws.....	4
Neglected children.....	64	Violation probation.....	44
Obscene pictures.....	1	Violation of park rules.....	3
Neglect of minor children.....	14	Violation Chapter 272, Section 21.....	1
Peddling unlicensed.....	26	Witness material.....	1
Perjury.....	4	Violation Board of Health law.....	15
Polygamy.....	1	Violation of parole.....	1
Practice medicine, no permit....	2	Minors in poolroom.....	1
Safe keeping.....	23		
Profanity.....	1		
Promoting a lottery.....	7		
Refusing to aid an officer.....	1		
Runaways.....	32		
Rescue.....	1		
Suspicious persons.....	13		

RECAPITULATION	
Against person.....	384
Against property.....	573
Against public order.....	4,862
Total.....	5,819

REPORT OF THE VICE SQUAD

The following is a report of the Vice Squad for the year ending March 31, 1930:

RAIDS

Raids.....	264
------------	-----

LIQUOR SEIZED

Mixed liquor, gallons.....	531
Wine, gallons.....	152
Beer, gallons.....	131
Total number of gallons.....	814

ARRESTS

Adultery.....	5
Alien in possession of revolver.....	1
Assault on our officers.....	2
Attempt to commit larceny.....	1
Being present at game of dice on Lord's Day.....	19
Being present where gaming implements were found.....	14
Breaking glass in street.....	2
Default warrants.....	3
Drunkenness.....	4
Fornication.....	1
Gaming nuisance.....	1
Keeping and exposing liquor for sale.....	133
Lewd and lascivious, etc.....	6
Liquor nuisance.....	2
Manufacturing intoxicating liquor.....	37
Manufacturing non-intoxicating liquor.....	1
Non-support of children.....	1
Peddling without a license.....	3
Profanity.....	1
Promoting a lottery for money.....	6
Sale of intoxicating liquor.....	20
Threatening.....	1
Transporting intoxicating liquor.....	10
Unlawful possession of narcotic drugs and needles.....	4
Violation of the automobile law.....	9
Violation of probation.....	13
Total number of arrests.....	300

Slot machines seized.....	1
Wheels of fortune seized.....	2
Lottery tickets seized.....	425
Hand bags seized.....	4
Stills seized.....	9
Automobiles seized.....	2
Morphine cubes seized.....	25
Morphine powders, ounces, seized.....	1
Hypodermic needles and syringes seized.....	5

DISTRICT COURT

Fines paid.....	\$4,710
Sentences served.....	1 year, 8 months
Cases filed.....	40
Cases pending.....	30
Reformatory for women.....	1

SUPERIOR COURT

Fines paid.....	\$1,870
Sentences served.....	2 years
Cases pending.....	2

Respectfully submitted,

CHARLES H. PRESHO, *Sergeant.*

REPORT OF POLICEWOMAN

From April 1, 1929 to April 1, 1930

Cases investigated on account of complaints to police.....	68
Cases investigated on account of complaints to policewoman.....	151
Follow-up calls at homes to warn, advise, etc.....	128
Visits to dance halls.....	132
Visits to theatres.....	40
Visits to shops.....	121
Number of times assisted the City Physician.....	14
Number of psychopathic cases.....	2
Number of maternity cases.....	8
Number of hospital cases.....	1
Number of cases taken to clinics.....	6
Abused or neglected children investigated and cared for.....	35
Parents neglecting children.....	16
Cases referred to welfare or other agencies.....	12
Larceny cases.....	4
Warning to shoplifters (adult).....	10
Warning to shoplifters (children).....	14
Wives reporting trouble with husbands.....	6
Husbands reporting trouble with wives.....	8
Girls helped to obtain employment.....	4
Questionable persons investigated.....	85
Questionable houses investigated.....	7
Girls warned on street regarding general behavior.....	38
Persons warned regarding habits or behavior.....	80
Girls sent home from dance halls (under age).....	3
Children warned regarding curfew law.....	26
Boys warned regarding begging outside theatres.....	5
Men in automobiles warned regarding accosting women and girls.....	58
Girls warned regarding soliciting automobile rides.....	26
Women searched.....	2
Missing persons reported.....	44
Missing persons found.....	23
Indecent assault cases.....	8
Attempted rape.....	8
Rape.....	17
Incest cases.....	5
Bastardy.....	8
Conducting arrested women or girls from other cities to Cambridge.....	5
Arrests.....	25

Respectfully submitted,

J. EDITH TAYLOR,
Policewoman.

ANNUAL REPORT OF THE MATRONS

I submit the following report of numbers of arrest of juveniles from April 1, 1929 to March 1, 1930:

Using automobile without authority.....	6	Robbery.....	1
Runaways.....	12	Attempt to steal automobile.....	1
Safe keeping.....	13	Larceny.....	2
Breaking and entering.....	3	Larceny of automobile.....	1
Habitual truant.....	1	Total.....	14
Driving without license.....	1		

I submit the following number of women arrested from April 1, 1929 to March 1, 1930:

Drunks.....	75	Non-support of minor child.....	1
Larceny.....	12	Wayward girl.....	1
Lewd and lascivious.....	9	Driving automobile under influence of liquor.....	1
Safe keeping.....	12	Driving automobile without license.....	1
Disturbing peace.....	8	Default.....	1
Runaways.....	7	Delinquent.....	1
Fornication.....	2	Possession of narcotic needle.....	1
Stubbornness.....	15	Being present where drugs were found.....	1
Adultery.....	5	Total.....	162
Violation of probation.....	4		
Disorderly house.....	1		
Violation liquor law.....	1		
Suspicious persons.....	3		

MARY A. BARROWS,
MARY O'HEARN,
Matrons, Station No. 1.

REPORT OF JOHN M. ACKERLY Ending March 31, 1930

The total number of arrests during the year was 501.

Non-support.....	256	Being foreign pauper.....	2
Violation of probation.....	108	Lewd and lascivious.....	1
Bastardy.....	45	Incest.....	1
Neglected children.....	34	Threatening.....	1
Assault and battery.....	15	Rape.....	1
Neglect of children.....	8	Carrying pistol.....	1
Stubbornness.....	7	Larceny.....	1
Drunkenness.....	7	Concealing leased property.....	1
Abandonment.....	5	Total.....	501
Failure to perform contract.....	4		
Runaways.....	3		

Of the number of persons arrested during the year, 248 are on probation. Included in the total number of arrests are 22 cases handled for other cities and towns, and five cases handled for other states.

To bring back offenders I have made 22 trips outside the state as follows:

New York City.....	10	Windsor, Vt.....	1
Hartford, Conn.....	2	New Haven, Conn.....	1
Summerside, P. E. I.	1	West Haven, Conn.....	1
Claremont, N. H.....	1	Philadelphia, Pa.....	1
Pittsfield, N. H.....	1	Hallowell, Maine.....	1
St. Johnsbury, Vt.....	1	Presque Isle, Maine.....	1

One hundred and six trips were made to cities and towns outside Cambridge.

Included in the total number of cases handled by me are 70 cases known to the Board of Public Welfare. In 18 of these the aid granted amounted to \$181 per week. Prosecution of the husbands in these cases brought about an adjustment of the family situation and with the return of the husband the city was able to close these cases.

In 15 cases where adjustment was not possible and the man sent to jail the Probation Officers of the District and Superior Courts turned over to the city \$2,305.79 toward the support of these families.

In addition I have investigated 200 cases in which a satisfactory adjustment was made without recourse to court action. I have 40 cases where the husbands are living outside the state, and voluntarily contributing to the support of their families.

The courts, including judges, clerks and probation officers, have coöperated to a degree not equalled in any city or town in the Commonwealth, and I wish to take this opportunity to express my appreciation of their helpfulness. I also wish to express my appreciation of the material help which I have received from the members of the Police Department.

Respectfully yours,

JOHN M. ACKERLY,
In Charge of Domestic Relations.

TRAFFIC AND OTHER ACCIDENTS

	Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		Total	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
Automobile.....		114	2	71	1	103	2	110	2	123	3	124		124		152	3	132	5	152	2	152	1	125		
Bicycles.....												1	1	1		3		1		2		1				
Motorcycle.....				1												2		2								
Horse vehicles.....		1				2																				
Street cars.....		1		1								1									1					
Steam railroad.....			1																							
Crossings.....		1		6		12						3						4		2			1			
Other causes.....	1	22	5	34		10		26	3	25	2	21	1	26	1	2	1	11	3	33		23		25		
Total killed.....	1		8		1		2		5		5		1			2	4		8		2		1	40		
Total injured.....		139	113	113		127		136		148		147		155		191		150		189		177		151		1,823

RECAPITULATION

Total killed..... 40
Total injured..... 1,823

REPORT OF SAFETY OFFICER

I herewith submit my annual report for 1929. The past three years has witnessed the complete inauguration and highly satisfactory functioning of my safety policies and principles. The practical results achieved in the decrease in both fatal and non-fatal accidents to children in Cambridge is exceedingly gratifying. From the statistics published by the Registrar of Motor Vehicles, Captain George A. Parker for the year 1929, we find a report of the encouraging fact that out of 39 leading cities and towns in Massachusetts, Cambridge stands out prominently, being listed as one of the two in the entire 39 whose record shows a noticeable decrease in fatal accidents to children. I am glad to state that there were six less children killed by automobiles in the streets of Cambridge in 1929 than in the year 1928.

I would not be responsive to the spirit that animates me in my humanitarian work, were I not to pay tribute in this report for the splendid results obtained by my Junior Traffic Boys, whose organization, duties and work I have described in previous reports. These boys have been of tremendous assistance to me in my school work. In guiding and instructing the children to be careful and inculcating into themselves and others the principles of Safety, they have done much to bring about the laudable standing of Cambridge in the number of reductions of automobile accidents and fatalities to children. I feel also that it is a work that will show its worth in the future. It is bound to react favorably upon the future adult citizens of our city when they carry into womanhood and manhood the principles of Safety and the unforgettable and daily propounded lessons of being careful on our city streets.

I feel that it would not be amiss for me in this report to convey my efforts in behalf of adults' reduction of accidents and death by automobiles with a certain thrill of satisfaction with my results obtained with the children and noting the appalling increase to the number of adults injured by automobiles. I found time to concentrate some of my efforts in this direction. Observing that in 1926 there were 816 adults injured by automobiles and that in 1927 the figure jumped 200 when 1,093 adults were injured by automobiles, and then in 1928 we have the continued 200 per year increase with the figures showing 1,281 adults injured by automobiles, I therefore determined to enunciate

my Safety policies among civic and fraternal organizations. I appeared before trucking concerns and various factories, and placed cards in automobiles warning motorists to be more careful on the streets of Cambridge. The results are very encouraging, as the 200 per year annual increase was not only stopped but there was in reality a decrease to the number of eight, the figures being 1,273 for the year 1929 as against 1,281 for the year 1928. An interesting statement has recently appeared in the statistical bulletin of the Metropolitan Life Insurance Company to which the Editor, Louis I. Dublin, directs the attention of Chief John J. McBride; "safety workers," as he says, "are vitally interested in finding out how the reduction in accidents has been accomplished in some of our cities, as a result of a questionnaire sent out to 24 cities by his company; the editor praises highly the work of one New England City, *viz.*, Cambridge, where through the efforts of a Safety Director, Safety literature and special Junior Traffic Officers, marvellous results have followed in the reduction of injuries and deaths by automobiles."

All these observations and commendations are very gratifying and helpful. The spirit evinced by all with whom my work brings me in contact has been of great assistance and I wish to thank the school authorities and the teachers and the leaders of civil and fraternal organizations (particularly the Kiwanis Club, supplying annually the white belts for the Junior Traffic Officers) for the splendid coöperation they have given me in my Safety work.

In addition to my daily routine work of visiting all the schools in our city, exhibiting posters, organizing Junior Safety Patrols, material for school bulletin boards, I have found time to respond to invitations extended by school superintendents, police chiefs, civic organizations and Safety leaders to address them on the Cambridge system. During the summer time I have devoted my time to the sessions of the summer schools and playgrounds. I have stressed the lessons of Safety coming to and from the playground and have sought to impress the children with the fact that the playground and not the street is the place to play.

Everything considered, my work and the results achieved have been very gratifying and truly humane, bringing to me a certain joy and a sense of satisfaction that only service of such a character can stimulate.

I wish in addition, to report the following contiguous with my Safety work:

Schools visited (public)	28
Children instructed (public)	15,872
Schools visited (parochial)	10
Children instructed (parochial)	7,278
Schools visited (private)	1
Property recovered, stolen by children	\$165
(Through the coöperation of the Junior Safety Patrol, full restitution was made with no court action.)	
Personal talks at homes in the interest of children disobeying the Safety laws	408
(This included such violation as roller-skating, playing ball in the streets and hopping on electric cars and motor vehicles, holding onto automobiles with sleds.)	
Boys personally warned about stealing rides on electric cars and motor vehicles	210
Children found on streets playing truant and brought back to school	16
Children found on streets playing truant, not living or going to school in Cambridge, returned to their homes	2

I wish to thank you for your helpful suggestions and kindnesses during the past year.

Respectfully submitted,

PATRICK F. SHEA,
Safety Officer.

AMBULANCE, WAGON, TELEPHONE AND SYSTEM DUTY CALLS

Months	Wagon Calls	Miles Run	Ambu- lance Runs	Miles Run	Tele- phone Calls	System Duty Calls
January	348	824.107	36	124.39	6,793	38,909
February	319	684.667	49	191.49	6,192	36,529
March	353	720.185	37	90.26	7,105	39,025
April	462	749.339	48	160.68	6,116	33,359
May	417	824.422	74	258.69	6,546	37,710
June	405	730.337	51	188.47	7,391	36,835
July	450	713.065	69	249.30	6,600	34,845
August	411	909.860	60	194.06	6,003	32,880
September	414	890.907	51	182.74	6,158	33,820
October	382	914.645	54	193.63	6,504	33,389
November	431	957.143	64	196.61	6,346	37,789
December	407	865.145	51	195.18	6,693	38,790
Total	4,799	9,774.820	644	2,305.50	78,447	432,970

ANNUAL REPORT OF THE INSPECTOR'S DEPARTMENT

For the Year Ending March 31, 1930

REPORT OF BUREAU OF CRIMINAL IDENTIFICATION

Investigations	325
Property recovered	\$7,596 52
Arrests	77
Applicants for taxi licenses fingerprinted	141
Fingerprints of prisoners taken (sets of four)	100
Copies of fingerprints sent to Department of Justice	100
Copies of fingerprints sent to Boston Police	100
Copies of fingerprints sent to State Bureau of Identification	100
Number of persons photographed	99
Number of photographs copied	11

REPORT OF COMMISSION OF NECESSARIES OF LIFE

Accident cases investigated	156
Charters investigated	30
Claims investigated	176
Police applicants investigated	38
Jurors investigated	124
Sign permits investigated	78
Private hearings attended	1
Special investigations	32
Pictures and measurements taken to be used in Court on accidents	55
Rent complaints investigated	144
Money received for damages to city property	\$1,079 17
Property recovered	2,872 00

REPORT OF INSPECTOR ON PAWNSHOPS

Investigations	354
Visits to various pawnshops in Boston, Cambridge and other cities	947
Property recovered	\$11,779 00

REPORT OF THE AUTOMOBILE BUREAU

Automobiles stolen in Cambridge during the current year	1,015
Automobiles recovered, stolen in Cambridge	989
Automobiles recovered, stolen in other cities	235
Property recovered by the Bureau	\$32,000 00
Investigations made	1,600 00
Notices of sale of automobiles listed indexed and filed	17,000 00
Boston stolen car bulletins recorded and filed	24
Arrest record of the Inspector's Bureau copied and indexed	Daily
Arrests made by the Bureau	90
Automobile theft records indexed and filed	Daily
Circular records indexed and filed	65
Auction sales held by the Bureau	1

COMPILATION

Investigations made	3,237
Arrests made	352
Value of property recovered	\$71,117 52

MISCELLANEOUS

The inspectors cover pay rolls, banks and stores for the purpose of preventing holdups; cover the residential sections of the city for the purpose of apprehending persons who act suspiciously and who may break and enter houses; cover college games and functions for the purpose of maintaining good order; cover transfer stations and wherever people congregate for the purpose of detecting and preventing pickpockets from operating.

PATRICK J. HURLEY,
Chief Inspector.

RECOMMENDATIONS

I would recommend the installation of traffic lights at the following places: Kirkland Street and Oxford Street; Taylor Square, Concord Avenue and Walden Street; Cambridge and Prospect Streets; Cambridge and Columbia Streets; Harvard and Inman Streets; Broadway and Inman Street; Boylston Street and Memorial Drive; Brookline Street and Memorial Drive; River Street and Memorial Drive; Quincy Street and Broadway.

Now that the continuation of the Fellsway Boulevard is completed, I would recommend traffic lights at the following places: Huron Avenue and Fresh Pond Parkway; Brattle Street and Fresh Pond Parkway; Lowell Park and Mt. Auburn Street.

I would recommend also that about four feet be cut off the sidewalk on the westerly side of Massachusetts Avenue, between Memorial Drive and Bexley Hall, and added to the roadway. The sidewalk on the easterly side of Green Street between Pearl and Magazine Streets be cut off and added to the roadway.

The curb can be rounded at the corner of Massachusetts Avenue and Norfolk Street, Massachusetts Avenue and Essex Street; at the northwest corner of Massachusetts Avenue and Windsor Street; Columbia Street and Broadway; Windsor Street and Broadway, so as to give a greater turning space.

I want to take this opportunity to thank His Honor the Mayor, the members of the City Council, the District Attorney and his Staff, Judge Stone and his associates, the clerk of the Court, Mr. Forbes and his assistants, for the kind coöperation throughout the year.

Respectfully submitted,

JOHN J. McBRIDE,
Chief of Police

SALARIES AND GENERAL EXPENSES

For the Year Ending 1930

A-1	Salaries	\$554,855 69	
B-1	Printing and binding	32 83	
B-2	Postage	127 00	
B-3	Advertising and posting	72 58	
B-4	Transportation of persons	487 86	
B-8	Light and power	1,181 11	
B-10	Storage rent, taxes and water	414 00	
B-13	Communication	3,178 41	
B-14	Motor vehicle repairs and care	3,653 07	
B-35	Fees service and venire, etc.	17 50	
B-37	Photographic and blueprinting	23 82	
B-39	General plant	497 74	
B-44	Convention	197 50	
C-4	Motor vehicles	1,511 10	
C-7	Furniture and fittings	610 97	
C-9	Office	416 21	
C-13	Tools and instruments	31 58	
C-16	Wearing apparel	10,251 80	
C-17	Equipment otherwise not coded	51 45	
C-18	Regalia	175 96	
D-1	Office	2,038 71	
D-2	Food and ice	181 59	
D-8	Laundry, cleaning toilet	52 52	
D-11	Motor vehicles	3,990 60	
D-16	General plant	1,208 91	
Total			\$585,260 51

Revenue derived from the Department through issuing revolver permits, \$205.
 Extra duty done by the officers for which they were paid \$12,608.50.

REPORT OF THE BUILDING DEPARTMENT

April 1, 1930.

To His Honor the Mayor:

In accordance with the revised ordinances of this City, I transmit herewith the annual report of the Building Department for the year ending December 31, 1929.

INSPECTION OF BUILDINGS

Number of applications received and permits granted.....	1,105
Number of inspections of buildings.....	4,235
Number of violations.....	41

INSPECTION OF GAS FITTING

Number of applications received and permits granted.....	1,852
Number of inspections and tests.....	4,419
Number of violations.....	17

INSPECTION OF PLUMBING

Number of applications received and permits granted.....	451
Number of inspections and tests.....	1,976
Number of violations.....	11

INSPECTION OF ELEVATORS

Number of applications received and permits granted.....	40
Number of inspections and tests.....	834
Number of violations.....	75

Yours respectfully,

JOHN J. TERRY,
Superintendent of Public Buildings.

CLASSIFICATION OF STRUCTURES, 1929

NEW NON-RESIDENTIAL BUILDINGS	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	No. of Bldgs.	Esti- mated Cost	No. of Bldgs.	Esti- mated Cost	No. of Bldgs.	Esti- mated Cost	No. of Bldgs.	Esti- mated Cost	No. of Bldgs.	Esti- mated Cost	No. of Bldgs.	Esti- mated Cost
Amusement and recreation places.....												
Churches.....					1	\$8,000					2	\$1,235,000
Factories, bakeries, ice plants, laundries and other workshops.....	1	\$70,000	1	\$30,000	5	52,000	6	\$194,000			5	35,100
Garages, public.....												
Garages, private.....	10	5,850	1	175	9	7,820	9	6,125	24	\$13,790	16	8,495
Gasoline and service stations.....							1	3,000				
Institutions.....												
Office buildings, including banks.....	1	50,000										
Public buildings.....												
Public works and utilities.....					1	25,000	1	1,800				
Schools.....	1	478,000										
Sheds, poultry houses.....	1	30										
Stables and barns.....												
Stores, restaurants, storage, etc. Other mer- cantile buildings.....	5	37,650	1	500	2	41,000	1	18,000	3	39,000	1	12,000
Totals.....	19	\$641,530	3	\$30,675	18	\$133,820	18	\$222,925	27	\$52,790	24	\$1,290,595

NEW RESIDENTIAL BUILDINGS 1929	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	No. of Bldgs.	Estimated Cost	Families Planned for	No. of Bldgs.	Estimated Cost	Families Planned for	No. of Bldgs.	Estimated Cost	Families Planned for	No. of Bldgs.	Estimated Cost	Families Planned for
Housckeping dwellings (one family).....												
Two-family dwellings.....	1	\$8,500	2		22,000	2	4	\$34,000	1	7	\$46,000	
Multi-family dwellings (three or more families).....	1	1,200,000	114		9,000	2	14	134,400	7	3	23,500	6
Non-housckeping dwellings (lodging houses).....					250,000	60	7	773,000	4			
Total new residential buildings	2	\$1,208,500	116	2	\$260,000	64	25	\$941,400	12	10	\$69,500	13

CLASSIFICATION OF STRUCTURES, 1929 (Continued)

NEW NON-RESIDENTIAL BUILDINGS	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		TOTALS	
	No. of Bldgs.	Esti- mated Cost	No. of Bldgs.	Esti- mated Cost	No. of Bldgs.	Esti- mated Cost	No. of Bldgs.	Esti- mated Cost	No. of Bldgs.	Esti- mated Cost	No. of Bldgs.	Esti- mated Cost	No. of Bldgs.	Esti- mated Cost
Amusement and recreation places.....														
Churches.....														
Factories, bakeries, ice plants, laundries and other workshops.....	1	\$18,000	1	\$20,000	2	\$35,000			1	\$9,000			3	\$1,214,000
Garages, public.....													1	8,000
Garages, private.....	20	16,570	17	25,420	14	6,910	13	\$13,230	7	4,590	8	\$6,100	148	115,075
Gasoline and service stations.....			1	2,500	1	500,000	1	2,500	2	5,000			5	13,000
Institutions.....													1	500,000
Office buildings, including banks.....													1	25,000
Public buildings.....							1	2000					1	478,000
Public works and utilities.....													3	3,830
Schools.....														
Sheds, poultry houses.....														
Stables and barns.....														
Stores, restaurants, storage, etc. Other mercantile buildings.....	4	19,400	2	18,000	2	16,500	6	30,700	2	16,000	4	45,785	33	294,535
Totals.....	25	\$53,970	21	\$65,920	19	\$558,410	11	\$48,430	13	\$41,590	12	\$51,885	220	\$3,192,540

NEW RESIDENTIAL BUILDINGS 1929	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		TOTALS	
	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost
Housekeeping dwellings (one family).....	3	\$59,000	1	\$6,500	1	\$45,000	2	\$20,000	2	\$7,000	1	\$14,000	22	\$261,500
Two-family dwellings.....	2	19,000			2	9,500	4	13,500	3	\$7,000	6	23,500	35	303,900
Multi-family dwellings (three or more families)				34									16	3,133,000
Non-housekeeping dwellings (lodging houses).....						2,000,000		1,500,000		40,000			3	3,510,000
Total new residential buildings.....	5	\$78,000	2	\$41,500	3	\$2,054,500	6	\$1,533,500	2	\$47,000	4	\$37,500	76	\$7,238,400

CLASSIFICATION OF STRUCTURES, 1929 (Continued)

	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost
ADDITIONS, ALTERATIONS AND REPAIRS, 1929												
On residential buildings:												
Housekeeping dwellings, all kinds.....	26	\$20,860	18	\$32,610	25	\$12,855	40	\$52,385	46	\$39,945	48	\$51,443
On non-residential buildings.....	14	43,855	22	14,090	23	119,175	25	230,315	27	522,745	22	27,385
Total additions, alterations and repairs.....	40	\$64,715	40	\$46,700	48	\$132,030	65	\$282,700	73	\$562,690	70	\$78,828

	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		TOTALS	
	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost
ADDITIONS, ALTERATIONS AND REPAIRS 1929														
On residential buildings:														
Housekeeping dwellings, all kinds.....	45	\$33,990	33	\$20,160	36	\$13,520	25	\$19,830	15	\$23,530	14	\$13,475	371	\$334,603
On non-residential buildings.....	22	45,360	24	106,025	23	111,615	23	144,607	15	21,425	14	14,000	254	1,400,597
Total additions, alterations and repairs ...	67	\$79,350	57	\$126,185	59	\$125,135	48	\$164,437	30	\$44,955	28	\$27,475	625	\$1,735,200

ANNUAL REPORT OF THE SEALER OF WEIGHTS AND MEASURES

For the Year Ending March 31, 1930

Cambridge, Mass., May 24, 1930.

To the Honorable City Council:

In compliance with the City Ordinance, I respectfully submit a report of the Department of Weights and Measures for the year ending March 31, 1930.

Appropriation..... \$11,454 00

Expended

Salaries:

Felix C. McBride, Sealer.....	\$3,300 00	
Joseph O'Neil, First Deputy Sealer.....	2,500 00	
James J. Lynch, Deputy Sealer.....	2,140 00	
Edward W. Barker, Deputy Sealer.....	2,140 00	
	<hr/>	\$10,080 00

Equipment:

C. E. Fay, repairs.....	\$81 40	
Allen & Doane Co., dies.....	54 39	
W. & L. E. Gurley.....	21 93	
Herrick Foote, seals.....	28 25	
	<hr/>	\$10,265 97

Expended

<i>Brought forward.....</i>		\$10,265 97
Murray Printing, printing.....	\$10 78	
Hobbs & Warren, supplies.....	33 32	
Curry Motor Sales Co., repairs.....	8 53	
Cambridge Recorder, printing.....	10 78	
George E. Marsters, convention.....	50 00	
Felix C. McBride, registration.....	14 00	
Harvard Automobile Co., repairs.....	103 22	
Stingel Hardware Co., supplies.....	40 73	
McSorley Bros., supplies.....	103 74	
John Barry, repairs.....	5 26	
John F. Fitz, supplies.....	27 06	
Standard Oil Co., supplies.....	183 56	
Harvard Coop. Soc., supplies.....	2 94	
Miss Littlefield, typing.....	2 23	
Shea Brothers, printing.....	50 96	
New England Telephone service.....	39 80	
Dorein, repairs.....	7 35	
Richdale Garage, gas.....	2 06	
New England Auto, supplies.....	4 41	
Boston Elevated Railway, tickets.....	25 00	
	<hr/>	725 73

Total expenditures.....	10,991 70
Amount unexpended.....	\$462 30

Revenues:

Fees for sealing	\$2,452 90	
Fees for adjusting	213 50	
	<hr/>	
Total amount collected		\$2,666 40
Total amount expended	\$10,991 70	
Total amount collected	2,666 40	
	<hr/>	
Net expenses of Department		\$8,325 30

TESTS MADE FOR THE YEAR ENDING MARCH 31, 1930

Scales sealed	3,462	
Scales adjusted	389	
Scales condemned	146	
	<hr/>	3,997
Weights sealed	7,240	
Weights adjusted	461	
Weights condemned	79	
	<hr/>	7,770
Dry measures sealed	20	
Dry measures condemned	6	
Liquid measures sealed	1,577	
Liquid measures adjusted	37	
Liquid measures condemned	93	
	<hr/>	1,733
Ice cream measures tested	3,242	
Milk jars tested	1,280	
	<hr/>	4,522
Vehicle tank compartments sealed	430	
Vehicle tanks condemned	28	
	<hr/>	458
Oil pumps sealed	527	
Oil pumps adjusted	39	
Oil pumps condemned	4	
	<hr/>	570
Gasoline pumps sealed	446	
Gasoline pumps adjusted	61	
Gasoline pumps condemned	14	
	<hr/>	521
Yard measures sealed	310	
Yard measures condemned	4	
Cloth measures sealed	22	
	<hr/>	336
Platform scales sealed, capacity 5,000 pounds	101	
Platform scales sealed, capacity less than 5,000 pounds	1,952	
Counter scales sealed	2,428	
Spring scales sealed	1,743	
Personal weighing scales sealed	89	
	<hr/>	6,313
25-pound bags of coal tested	5,743	
Tests made in stores	4,542	
Tests made on street	3,120	
Berry boxes tested	2,482	
	<hr/>	15,887
Total number of tests made		42,117

STANDARDS FURNISHED BY THE COMMONWEALTH

1 balance 5 grains to 100 pounds	
1 set (5) avoirdupois weights 50 pounds, 25 pounds, 10 pounds, 5 pounds.	
1 set (11) avoirdupois weights, 4 pounds to $\frac{1}{16}$ ounce.	
1 kilogramme in case.	
1 steel meter in case.	
1 brass yard measure.	
1 set (5) iron dry measures, $\frac{1}{2}$ bushel to 1 quart.	
1 set (6) iron liquid measures, 1 gallon to 1 gill.	
1 roll top desk.	
1 black walnut desk.	
5 chairs.	
1 table	
1 clothes press.	
1 scale cabinet.	
2 benches.	
1 sink.	
5 mats.	
1 set revised laws.	
1 set card records, oak case.	
1 set card index, oak case.	
1 hectograph.	
1 letter press.	
1 blotter bath.	
Miscellaneous books	\$200 00
1 express wagon	100 00
1 light wagon	35 00
1 pung	23 00
2 harnesses	70 00
1 plush robe	6 00
1 stable blanket	2 00
1 rain blanket	2 00
1 woolen blanket	8 00
1 halter	75
1 hitch weight	50
1 balance scale	88 69
1 platform scale, $\frac{1}{2}$ to 2,500 pounds	75 00
1 folding platform scale, $\frac{1}{5}$ pound to 600 pounds	30 00
1 balance, $\frac{1}{10}$ milligramme to 500 grammes	35 00
1 balance, $\frac{1}{50}$ grain to $\frac{1}{2}$ pound	15 00
1 sealer's balance, 1 grain to 100 pounds	150 00
2 leather tool bags	9 50
1 sealer's balance, 1 grain to 8 pounds	50 00
2 sealer's trip scales (not used)	5 00
1 spring scale, 1 pound to 125 pounds	1 00
2 sets (19) avoirdupois weights, 4 pounds to $\frac{1}{8}$ ounce	10 00
1 set (9) troy weights, 16 ounces to $\frac{1}{8}$ ounce	3 00
1 set (13) metric weights, 1 kilo to 1 gramme	5 00
5 boxes miscellaneous weights (not standardized)	10 00
1 set (3) iron weights 125 pounds, 10 pounds, 5 pounds	5 00
40 50-pound weights	100 00
1 arch	2 00
3 glass graduates	1 00
1 set (21) grain weights, 1,000 grammes to 1/1,000 gramme	13 50
1 set (21) metric weights, 50 grammes to 1/10 gramme	13 50
1 set (5) copper dry measures, $\frac{1}{2}$ bushel to 1 quart	45 00
1 set (3) brass dry measures, 1 quart to $\frac{1}{2}$ pint	5 00

2 sets (14) copper liquid measures, 1 gallon to 1 gill.....	30 00
1 yard measure.....	1 50
1 iron truck.....	5 00
1 5-gallon copper measure.....	15 00
1 steel tape.....	10 00
1 pair of inside calipers.....	3 50
1 set brands.....	3 00
1 plumber's furnace.....	5 00
Miscellaneous tools.....	50 00
3 record books.....	15 00
1 Ford automobile }	1,074 19
1 Chrysler..... }	
Total.....	\$2,331 63

This department has four persons to be summoned to court for violations of laws relating to short weight and measure convictions, and fines amounting to one hundred and sixteen dollars have been paid.

Respectfully submitted,

FELIX C. McBRIDE,
Sealer of Weights and Measures.

ANNUAL REPORT OF THE
SUPERINTENDENT OF STREETS

For the Fiscal Year Ending March 31, 1930

To the Honorable City Council:

In accordance with the provisions of Chapter 25 of the Revised Ordinances of the City of Cambridge the annual report of the Superintendent of Streets for the fiscal year ending March 31, 1930 is herewith submitted.

The first grouping of items shows the expenditures listed according to the segregated budget and analyses follow to show the costs of the functional divisions of general maintenance, street cleaning, snow removal, pavement repairs, bridges and edgestones and sidewalks. The sanitary group is divided into the collection of ashes and collection of house offal. The stable appropriation is treated as an overhead and apportioned to the various functions as such.

Following the budget items from the tax levy funds, the individual amounts expended for the various construction projects are treated separately.

GENERAL MAINTENANCE EXPENDITURES

"A" Labor payrolls.....	\$363,347 42
"B" Service items.....	17,580 16
"C" Equipment items.....	11,805 88
"D" Supplies.....	15,563 61
"E" Materials.....	35,197 70
"F" Special items.....	23,560 85
<hr/>	
Total Maintenance.....	\$467,055 62
Edgestones and sidewalks, labor.....	\$30,826 89
Edgestones and sidewalks, material.....	15,372 96
<hr/>	
	46,199 85
<hr/>	
	\$513,255 47

STABLE ACCOUNT

"A" Labor payrolls.....	\$92,991 88
"B" Service items.....	1,570 80
"D" Supplies.....	16,328 06
"F" Special items.....	120 85
<hr/>	
	\$111,011 59

SANITARY ACCOUNT

"A" Labor payrolls.....	\$316,183 28
"B" Service items.....	5,524 39
"C" Equipment items.....	32,016 54
"D" Supplies.....	16,092 17
"F" Special items.....	4,512 23
	<hr/>
	\$374,329 61
Grand total of revenue funds.....	\$998,596 67

ANALYSIS OF MAINTENANCE EXPENDITURES

General labor payrolls.....		\$122,262 44
Executive office expense:		
Salary of superintendent.....	\$4,250 00	
Office salaries.....	8,804 00	
Printing and binding.....	144 66	
Postage.....	4 00	
Advertising.....	208 53	
Expressage.....	5 48	
Office supplies.....	386 71	
Ice and water.....	58 80	
Towel supply.....	19 55	
New typewriter.....	72 22	
	<hr/>	13,953 95
Motor repairs and supplies:		
Ignition repairs.....	\$88 90	
Battery repairs.....	48 30	
Radiator repairs.....	15 62	
Welding parts.....	51 33	
Tractor repairs.....	242 80	
Motor repairs.....	278 82	
Tires.....	520 44	
Parts.....	211 28	
Gasoline.....	4,526 68	
Grease.....	29 90	
Windshield repairs.....	17 78	
Fees.....	101 16	
Sundries.....	3 43	
	<hr/>	6,136 44
New equipment:		
New trucks.....	\$19,616 64	
New car.....	416 50	
Lubricator.....	131 32	
Air compressor.....	350 20	
Chain repairer.....	38 22	
	<hr/>	20,552 88
Roller repairs and supplies:		
Boiler repairs.....	\$145 49	
Roller parts.....	186 35	
Boiler inspections.....	65 00	
	<hr/>	396 84
Street signs and traffic supplies:		
Gas for beacons.....	\$393 96	
Sign stock.....	132 83	
Cloth strips.....	198 82	

Street paint.....	\$692 37	
New signs.....	477 00	
Lanterns and globes.....	520 86	
Flasher heads.....	40 33	
Kerosene.....	246 81	
Sundries.....	3 92	
	<hr/>	\$2,706 90
Road materials:		
Cold patch.....	\$2,550 57	
Hot binder.....	21,862 74	
Cinders.....	735 00	
Crushed stone.....	6,979 77	
Sand.....	815 12	
Salt.....	26 46	
	<hr/>	32,969 66
Workmen's compensation:		
Payroll.....	\$1,499 97	
Medical services.....	184 00	
	<hr/>	1,683 97
Stable charges.....		12,214 94
		<hr/>
Total general maintenance.....		\$212,878 02
Street Cleaning:		
Labor payrolls.....	\$181,247 61	
Hired trucks.....	856 51	
Motor sweeper repairs.....	501 42	
Carts and cans.....	793 55	
Ignition repairs.....	44 60	
Battery repairs.....	27 50	
Motor repairs.....	147 72	
Fees.....	50 58	
Gasoline.....	4,526 68	
Sweeper parts.....	796 08	
Tires.....	520 44	
Grease.....	29 90	
Motor parts.....	211 28	
Oil.....	413 07	
Sundries.....	39 01	
Stable charge.....	6,016 97	
	<hr/>	196,222 92
		<hr/>
		\$409,100 94
Snow Removal		
Labor payrolls.....	\$4,732 75	
New plows.....	1,215 20	
Plow parts.....	19 26	
Loader parts.....	165 52	
Hired trucks.....	150 00	
Fees.....	10 00	
Tools.....	219 28	
Stable charges.....	3,053 48	
	<hr/>	\$9,565 49
Bridges:		
Drawtenders' salaries.....	\$39,402 17	
Light and power.....	1,352 64	
Mechanical repairs.....	39 55	

Electrical repairs	\$607 17	
Lumber	1,240 34	
Electrical supplies	62 78	
Hardware	10 53	
Metal strips	582 70	
Salt	8 82	
Piling repairs	3,721 95	
	<hr/>	\$47,028 65
Ramp at incinerator		3,920 00
Pavement Repairs:		
Payrolls	\$3,866 49	
Bricks	68 80	
Sand	271 71	
Bitulithic repairs	14,518 93	
Stable charges	1,526 80	
	<hr/>	20,252 73
		<hr/>
		\$489,867 81
Edgestones and Sidewalks:		
Labor payrolls	\$30,826 89	
Sidewalk bricks	8,203 56	
Edgestones	3,052 32	
Sand	1,030 68	
Rebates on granolithic	2,630 00	
Tools	56 74	
Lighting	123 23	
Cement	272 30	
Stable charges	1,526 76	
	<hr/>	47,722 48
		<hr/>
		\$537,590 29

STABLE DIVISION

Labor payrolls	\$92,991 88	
Compensation rolls	120 85	
Lighting buildings	744 34	
Yard telephones	394 03	
Medical service	157 00	
Veterinary service	41 50	
Filing saws	88 40	
Towel service	74 89	
General plant repairs	65 99	
Hay and grain	8,626 22	
Ice	86 41	
Fuel	3,136 26	
Shop supplies	4,479 17	
Miscellaneous	4 65	
	<hr/>	\$111,011 59

DISTRIBUTION OF STABLE EXPENSE

Total cost of stable maintenance	\$111,011 59
Less apportionment to construction	13,300 00
	<hr/>
Apportioned to budget items	\$97,711 59

Brought Forward.....		\$97,711 59
Collection of ashes.....	\$48,855 79	
Collection of offal.....	24,427 85	
Maintenance general.....	12,213 94	
Street cleaning.....	6,106 97	
Snow removal.....	3,053 48	
Pavement repairs.....	1,526 80	
Edgestones and sidewalks.....	1,526 76	

\$97,711 59

NEW EQUIPMENT IN SANITARY DIVISION

New Reo trucks.....	\$13,720 00	
New Mack trucks.....	18,228 00	
Garage equipment.....	68 54	
New foreman's car.....	465 50	

\$32,482 04

BRIDGES

The annual inspection of the bridges under control of the department has been made by the City Engineer and his report is herewith presented. These recommendations are of much importance and should have the serious consideration of the Mayor and Council.

The Commercial Avenue Bridge was completely redecked and replanked and steel traffic strips laid to save this surface on account of the heavy traffic passing over it. New fenders were put in and the draw way walings renewed. The matter of motors is still unsettled and I strongly recommend that the machinery be rebuilt and new motors installed at the earliest possible date. First Street Bridge required some mechanical and electrical repairs and the fenders were repaired where broken.

Water traffic through the canal bridges continues very heavy and as a consequence there is constant wear and breakage which requires immediate maintenance. I concur with the engineer's recommendation as to the Huron Avenue Pipeway Bridge in the interests of saving further maintenance.

CITY ENGINEER'S REPORT ON BRIDGES

EXAMINATION OF BRIDGES

Wellington Brook Bridge at Blanchard Road. This bridge is in good condition.

Huron Avenue Bridge at Fountain Terrace. A steel bridge on piers. This bridge is in bad condition as shown by the letter to

His Honor, Mayor Edward W. Quinn, of March 9, 1928, a copy of which is enclosed. No action has been taken on the suggestions made. The floor planks have become decayed in places and the two (2) fences on the Fountain Terrace approaches have become useless, so that now the conditions there are dangerous. As a temporary measure, the floor could be patched where decayed.

Estimated Cost

The repairs to the floor would cost about.....	\$400
200 feet of wire fence at \$1.50 per foot.....	300
<hr/>	
Total cost.....	\$700

Huron Avenue Bridge over Boston and Maine (Fitchburg) Railroad. This steel bridge is now in fairly good condition. To avoid corrosion the dirt and clay should be cleaned away from the supporting columns which should be kept painted.

Walden Street Bridge over Boston and Maine (Fitchburg) Railroad. This bridge is of steel and reinforced concrete. The concrete on the underside of the floor needs patching in five (5) places.

The concrete gunite covering of the two (2) outside trusses should also be patched in a number of places.

Estimated Cost

Patching, etc.....	\$500
--------------------	-------

Sixth Street Bridge over Broad Canal. This bridge is of steel and concrete. Traffic gates on the northeasterly side of the bridge need readjusting. The steel work should be painted.

Estimated Cost

Readjusting gates, painting, etc.....	\$300
---------------------------------------	-------

Third Street Bridge over Broad Canal. A steel and concrete bridge. Completed December 11, 1928. The traffic gate in the northeasterly side should have the operating gear repaired.

First Street Bridge over Broad Canal. A steel and concrete bridge. The traffic gates on the northerly side of the canal have been broken by sundry collisions and should be replaced at once. In the channel of the canal there should be placed three (3) new pile dolphins to guard the approach of vessels on the canal.

Estimated Cost

Replacing gates	\$600
New dolphins	1,800
<hr/>	
Total cost	\$2,400

Commercial Avenue Bridge over Lechmere Canal. Steel and concrete bridge. This bridge itself was put in fairly good condition in 1929. The operating motors and machinery are still in poor condition and should be renewed.

The floor of the draw as now built should be slightly raised so as to meet the level of the fixed portions of the roadway and prevent pounding of the traffic.

Estimated Cost

Repairing motors and machinery	\$3,060
Raising floor	500
<hr/>	
Total cost	\$3,560

L. M. HASTINGS,
City Engineer.

March 9, 1928.

Hon. Edward W. Quinn, Mayor,
Cambridge, Mass.

Dear Sir: I wish to call your attention to the condition of the Huron Avenue Bridge over the right of way taken by the Cambridge Water Board for a thirty (30) inch cast-iron conduit from the Stony Brook Reservoir to Fresh Pond in 1883. This conduit is now out of service and has been since 1900, so that it seems very unlikely that this part of it will ever be used again.

This bridge was built in 1893 and has a steel frame resting partly on three (3) steel arches as shown by the accompanying plan. The floor is of plank paved with wood blocks in the roadway and plank sidewalks with steel railings on the sides.

This bridge has been reported in the last Annual Reports as being in poor condition, but little or nothing has been done on it in the way of repairs. The condition now is such that a thorough

overhauling will be necessary this coming season if it is to be maintained there any longer with safety.

It has been suggested, that as the Water Works' conduit pipe is not being used, nor likely to be, and use of the cut as a driveway also seems abandoned, the entire cut, or at least so much as is necessary, be filled up and the bridge removed and the street finished and paved like the approaches.

This might require the assent of the Cambridge Water Board, in whose charge the land now is. It might be possible to make this fill by using it as a dump, filling one (1) side at a time, and so keep traffic passing all the time without a detour.

I merely offer this as a suggestion to be considered before any work is done on making repairs to the structure as it now stands.

Yours very truly,

(Signed) L. M. HASTINGS,
City Engineer.

The Maintenance Division of the Department has kept the traffic devices in order and painted the usual guide lines during the year. A street lining machine has been added to the equipment and has done excellent work. We have coöperated with the Police and Traffic Board in every manner.

The patching for this year has exceeded all others and was continued through the winter season with cold patch. This is an essential part of the street department work and does much to reduce the amount of claims paid for highway defects. The amount of sidewalk patching was greater than ever and must be kept up all through the year. We are now doing all of the granolithic repairs with our own force.

The winter was fairly mild and but little difficulty was experienced in handling the snow. There are now thirteen plow units which can be attached to the large trucks and this has been shown to be sufficient to handle the ordinary storm without outside help.

The Street Cleaning division has done its work in all seasons and the general condition of the streets shows this work to be worthwhile.

There is urgent need of renewing worn-out machinery in these divisions, and in the interests of economy I recommend the steam rollers, sweepers and tractors requiring continual repair be replaced with newer and more modern apparatus.

INFORMATION BOOTHS

In July of this year this department made in its own shops two information booths and installed one at Harvard Square and the other at Harvard Bridge. From the very start these have proven successful and they were kept in service until late in October. The calls numbered into the thousands and visitors from every state and foreign countries availed themselves of the service. Cambridge people profited by the information given to those desiring accommodations and meals and the department was given credit for this.

Folders, maps and tourist information material was supplied free of charge by hotels, oil companies and individuals and was distributed from the booths. They will be put into service again for the season on the first of April and will be kept open every day from 8 a.m. to 8 p.m.

COLLECTION OF ASHES

Foremen.....	\$5,325 98	
Chauffeurs.....	33,688 75	
Laborers at \$5.25.....	125,795 10	
Laborers at \$5.00.....	54,730 87	
	<hr/>	\$219,540 70
Garage rentals.....		1,112 67
Compensation payments.....		4,512 23
Medical services.....		631 80
Fees.....		46 00
Repair parts for trucks.....		1,909 38
Motor oil.....		475 19
Gasoline.....		5,680 74
Tires.....		3,031 32
Fire hose.....		166 46
Dump supplies.....		119 91
Ignition repairs.....		117 28
Tire repairs.....		10 73
Battery service.....		159 88
Spring service.....		40 86
Radiator repairs.....		82 48
Repairs to motors.....		990 82
Alterations to bodies.....		799 44
Windshield repairs.....		21 67
Stable charges.....		48,855 79
		<hr/>
		\$288,305 35

The following table shows the amounts of material collected by months and approximates of cubic yardage of the collection.

	Trucks	Paper truck	Shadbolt wagons	Paper carts	Single carts
April, 1929.....	830	....	1,744	784	548
May, 1929.....	891	....	1,384	719	568
June, 1929.....	1,331	....	....	874	309
July, 1929.....	1,353	....	....	867	434
August, 1929.....	1,152	....	....	763	547
September, 1929....	1,240	....	....	792	498
October, 1929.....	1,516	34	....	824	522
November, 1929....	1,484	85	....	792	524
December, 1929....	2,927	110	....	649	237
January, 1930.....	3,478	121	....	746	213
February, 1930.....	2,641	82	....	632	186
March, 1930.....	2,191	75	....	628	204
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	21,034	507	3,128	9,070	4,790
Average capacity ...	6	5	6	4.5	2.5
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	126,204	2,535	18,768	40,815	11,975

Grand total of yardage.....200,297 cubic yards.

A marked change in the Collection of Ashes division was made in June, 1929, when the greater part of the horse-drawn equipment was discontinued and replaced with trucks. The Shadbolt wagons which had been in use for many years and the horses for them were put up at public auction and sold. Three of the large Mack trucks in the Offal service were altered for ash bodies and put into this division and three new Macks were added to the department. In October a new Dodge paper truck was added and it is hoped that more of these paper units can be bought to displace the horse-drawn units still left.

The past winter was generally an open one and but little difficulty was experienced in disposing of the collection. The "Artificial Pond" area is filling up fast and a substitute was found in the Boston and Maine Railroad fill on the river front at Prison Point. Much of the collections from the lower section of the City was dumped there all during the winter, resulting in a saving on both haul and cost. This dump will continue for some time to come. The department is getting ready the Cofran Pit area and will lower the water level there this spring, but there will have to be wind protection for the lighter material by constructing a fence because it is so close to the residential section.

This city is developing to the westward each year and objection to open dumping is becoming more serious as the few areas still available are being filled. Every precaution is taken to prevent fires and escape of light refuse, but at the best it is both

unsightly and unsanitary and there is but one solution to the entire question and that is modern incineration.

Sanitary engineering has had many years to work out just such problems and many of the large cities of this country have adopted incineration to their advantage and profit. I want to again strongly recommend that a modern incinerator plant of sufficient capacity to handle the entire output of the City be constructed at some location properly isolated and at the earliest date possible.

NEW STREET GARAGE AND OFFAL PLANT

Early in July, 1929 the garage and transfer plant for the offal collection was completed and put into operation. This department had to complete the roadway from Concord Avenue into the premises and obtained the gravel fill from the Water Department grounds at the rear of Fresh Pond. The plant has worked out successfully and no nuisance of any kind has been created as the platform is kept clean and the material brought in every day only stays there long enough to be transferred to the farmer's truck and is immediately removed outside of the City. Much of the equipment formerly stored in old wooden sheds has been housed there as well as the entire offal equipment. In the fall it was found necessary to board in the platform and several minor alterations were made. Air compressor equipment and greasing machines were provided from department funds.

FURTHER MOTORIZATION

Funds were provided from the budget this year for the further motorization of the department, and accordingly in June a big auction sale was held when the ash carts, harnesses, carts, sleds and such of the old equipment as would not be needed was sold off. Over \$6,300 was realized from the sale. All horses but nine were sold.

To replace these 15 Ford trucks, 3 Macks and 5 Reos were added. In order to provide garage space, the old stable at Hampshire Street was altered by our own force and a heating system installed so that no trucks are stored outside of the department. This makeshift garage should be completely rebuilt and fire-proofed this year or better still a new modern building erected

large enough to accommodate our own equipment and such other departments as possible.

I recommend that the paper carts now in operation be replaced with motor equipment and the proposition of altering the Raymond Street stable for garage purposes, repair and paint shops be considered.

COLLECTION OF HOUSE OFFAL

Foremen.....	\$2,813 75	
Skilled laborer.....	2,164 62	
Laborers at \$5.25.....	72,036 71	
Chauffeurs at \$6.00.....	19,627 50	
		<hr/>
		\$96,642 58
Compensation payments.....		372 85
Medical services.....		315 90
Fees.....		23 00
Motor repair parts.....		404 08
Oil.....		237 59
Gasoline.....		2,840 37
Tires.....		758 00
Grease.....		41 61
Buckets.....		55 86
Ignition repairs.....		58 74
Tire repairs.....		10 73
Battery service.....		79 89
Spring repairs.....		20 43
Radiator repairs.....		41 24
Repairs to motors.....		495 14
Stable charges.....		24,427 85
		<hr/>
		\$126,825 86

HOUSE OFFAL

The following table shows the number of cord feet of offal collected by months:

April, 1929.....	2,722
May, 1929.....	2,833
June, 1929.....	2,355
July, 1929.....	2,320
August, 1929.....	2,553
September, 1929.....	2,575
October, 1929.....	2,869
November, 1929.....	2,554
December, 1929.....	2,902
January, 1930.....	2,916
February, 1930.....	2,507
March, 1930.....	2,660
	<hr/>
	31,766

This figure shows an increase in collection of 2,124 cord feet over that of the previous year. The cash receipts were \$23,458.25 and this also shows an increase of \$2,171.28 over last year.

At the time when the Ash Division was further motorized, the three Mack trucks in service in this collection were altered and turned over to that division. Reo trucks of the same type as those installed the previous year were replaced so that the entire equipment is now uniform. The new plant was put into operation in July and has worked out successfully, handling this collection with no nuisance whatever.

The demand for the material collected still continues strong and all of it is removed from the transfer platform within a half hour of its arrival. There is still a large quantity of this material being taken by outsiders and many of the complaints for non-collection are due to these parties failing to get the material.

STREET DEPARTMENT SUMMARY OF INVENTORY

March 31, 1930

Real Estate:		
Land.....	\$79,700 00	
Buildings.....	139,300 00	
	<hr/>	\$219,000 00
Motor equipment.....		78,800 00
Furniture and fixtures.....		282 00
Road machinery.....		10,067 00
Carts and wagons.....		535 00
Harnesses.....		330 00
Horses.....		1,800 00
Shop supplies.....		1,562 00
Tools and instruments.....		1,484 00
Road-building materials.....		7,218 00
Shop machinery.....		2,655 00
Motor supplies.....		723 00
Miscellaneous items.....		3,580 00
		<hr/>
		\$328,036 00

ALBANY STREET

Main Street to Massachusetts Avenue

Labor payrolls.....	\$21,251 04	
Mixer rentals and repairs.....	142 23	
Hired trucks.....	1,732 28	
Tools.....	105 63	
Sand and stone.....	3,125 85	
Lighting.....	166 35	
Cement.....	2,753 78	
Recutting blocks.....	4,807 23	
Rental of compressor.....	36 75	
Sundries.....	10 49	
Use of horses and trucks.....	1,600 00	
	<hr/>	\$34,761 73

This section of Albany Street had been paved many years ago with the large sized blocks on a sand base and had become very rough and uneven. This year the blocks were taken up and recut to five and one-half inches in depth and relaid on a concrete base and grouted with cement grout.

The finished work shows a great improvement and was urgently needed. The excess blocks from the recutting were later used in other work.

BENT STREET
Third Street to Sixth Street

Labor payrolls.....	\$7,062 38	
Edgestones.....	967 76	
Sewer work.....	27 93	
Roller fuel.....	83 61	
Lighting.....	31 26	
Crushed stone.....	163 29	
Excavation.....	1,912 30	
Cinders.....	132 30	
Compressor rental.....	183 01	
Use of trucks.....	300 00	
		<hr/>
		\$10,863 84

This section of Bent Street was opened up for construction late in the fall and it required a steam shovel to remove the old top. This old top has been dumped on there by an adjoining foundry and was too high and out of line. It was intended to put in a cold mixed asphalt and stone pavement in two courses, but the sudden arrival of cold weather prevented this and the street had to be left open all winter.

At the present writing, plans are being made to resurface this street with crushed stone and a Warrenite bitulithic top and to continue the work out to Third Street in compliance with urgent requests from the new business interests now located there.

BROOKLINE STREET
Massachusetts Avenue to Green Street

Labor payrolls.....	\$1,185 92	
Compressor rentals.....	17 64	
Bitulithic pavement.....	1,940 68	
Track work, Boston Elevated Railway Company.....	339 41	
Lighting.....	9 80	
Use of horses and trucks.....	250 00	
		<hr/>
		\$3,743 45

This section of Brookline Street had been paved about thirty years ago with vitrified bricks and was in bad condition. The railway company altered its loop rail into this street and removed certain unnecessary portions. The department arranged with the company to replace such concrete base as they disturbed and the old brick were removed, a mastic binder put on and covered with Warrenite-Bitulithic pavement and the section is now in excellent condition. The section between Green Street and Granite Street is now complete, having been constructed in the past year, and should be continued to the Parkway this year to make a complete job of it. There were 662 square yards in this job.

BOWDOIN STREET, ENTIRE

Labor payrolls	\$1,827 75	
Edgestones	201 88	
Roller fuel	89 41	
Bitulithic pavement	4,284 46	
Tools	11 27	
Use of horses and trucks	200 00	
		<hr/>
		\$6,614.77

This street was constructed with Warrenite-Bitulithic pavement on the old macadam base. Edgestones were put in where necessary. There were 2,301 square yards laid.

CONCORD AVENUE

Above the railroad crossing

Bitulithic	\$996 34
----------------------	----------

This job could not be started this year on account of the new Alewife Brook Artery passing through it, and the balance of the appropriation was transferred and used to construct Lakeview Avenue later in the summer.

COTTAGE STREET, ENTIRE

Labor payrolls	\$2,380 17	
Hired truck	25 00	
Roller parts	8 55	
Bitulithic pavement	5,217 32	
Lighting	21 95	
Use of horses and trucks	500 00	
		<hr/>
		\$8,152 99

This street was constructed with Warrenite Bitulithic pavement on the old macadam base. Edgestones were straightened and brick walks relaid wherever necessary.

There were 2,802 square yards in the job.

CITY HOME DRIVEWAYS

Labor payrolls.....	\$574 99	
Crushed stone.....	1,612 37	
Binder.....	1,310 75	
		<hr/>
		\$3,498 11

This sum was expended for putting a bituminous macadam surface on the driveways leading into the new Home for the Aged and Infirm recently finished on Concord Avenue.

TUBERCULOSIS HOSPITAL DRIVEWAYS

Labor payrolls.....	\$2,462 80	
Crushed stone.....	474 82	
Sand and stone.....	175 83	
Lumber.....	23 70	
Tools.....	32 28	
Cement.....	126 80	
Binder.....	739 90	
		<hr/>
		\$4,036 13

This sum was expended in constructing a new roadway into the Tuberculosis Hospital on Concord Avenue. The road was excavated and refilled with bank gravel and a bituminous macadam surface laid. Artificial stone sidewalks were laid by our own force alongside the new road and leading into the main entrance to the hospital. This improvement was urgently needed and is greatly appreciated by the patients themselves as well as those who visit them.

CAMBRIDGE STREET AT MASSACHUSETTS AVENUE

Labor payrolls.....	\$3,715 58	
Sand and stone.....	153 81	
Roller fuel.....	60 86	
Cement.....	252 69	
Bitulithic pavement.....	1,229 01	
Sewer work.....	109 57	
Use of horses and trucks.....	500 00	
		<hr/>
		\$6,021 52

This sum was expended in moving the sidewalk back about ten feet in front of the small common in front of the subway entrance now the property of Harvard College. A concrete base was laid and the edgestone reset to the new line. Granolithic sidewalk was constructed in place of the old brick by our own force and the street surface covered with Warrenite-Bitulithic pavement. It is expected that the street railway will now make certain changes in their tracks regarding the East Cambridge car line

taking cars into the subway and this widening was done in anticipation of this move.

CAMBRIDGE STREET WATER BREAK

Labor payrolls.....	\$2,055 58	
Mixed concrete.....	231 30	
Sewer materials.....	104 76	
		<hr/>
		\$2,391 54

This amount was expended in repairing the break in the wood block pavement caused by a bursting water main near the Inman Square Theatre. The old wood paving was badly washed out and a deep trench was blown out at the time.

The washout had to be refilled, concreted and repaved with granite blocks from our yard stock as the wood block could not be put back. This was an emergency job and occurred late in December.

ELLERY STREET

Massachusetts Avenue to Harvard Street

Labor payrolls.....	\$1,740 26	
Bitulithic pavement.....	3,240 63	
Roller fuel.....	64 24	
Use of horses and trucks.....	500 00	
		<hr/>
		\$5,545 13

This section of Ellery Street was paved with the Warrenite-Bitulithic pavement on the old macadam base. It was necessary to remove much more of the old surface than usual on account of the high crown and gutter margins. There were 1,740.4 square yards in the work.

GARDEN STREET

Taylor Square to Walden Street

Labor payroll.....	\$5,766 27	
Edgestones.....	568 29	
Lighting.....	37 63	
Crushed stone.....	1,768 33	
Sand and stone.....	427 02	
Roller fuel.....	21 90	
Cement.....	489 50	
Bitulithic pavement.....	5,689 15	
Excavation work.....	1,486 50	
Use of trucks and horses.....	600 00	
		<hr/>
		\$16,854 59

This section of Garden Street was constructed with Warrenite-Bitulithic pavement on a concrete base. It was originally in-

tended to dig the street out to grade and put in a crushed stone base with permanent top. This was started and when the subgrade was exposed it showed clay pockets in many places so that the section between Winslow Street and Huron Avenue had to be further dug out and concreted to take care of clay conditions. There were 3,055.4 square yards in the job.

HAMPSHIRE STREET

Inman Square to Somerville Line

Labor payrolls.	\$4,354 51	
Hired trucks.	255 00	
Sand and stone.	502 18	
Mixer parts.	1 48	
Sidewalk bricks.	154 35	
Cement.	535 42	
Tools.	59 50	
Use of trucks and horses.	550 00	
		<hr/>
		\$6,424 44

This section of Hampshire Street was paved with second-hand recut blocks on both sides of the car tracks. Some of the old wood blocks were also removed and replaced with second-hand vitrified brick in the area extending into Inman Square. There still remains some further work in the Square itself to be done next season.

HIGHLAND AVENUE, ENTIRE

Labor payrolls.	\$7,929 51	
Roller fuel.	43 90	
Tools.	26 56	
Crushed stone.	203 01	
Bitulithic pavement.	6,021 71	
Sundries.	2 06	
Use of trucks and horses.	600 00	
		<hr/>
		\$14,866 74

This street was constructed with Warrenite-Bitulithic pavement on the old macadam base. There was a double surface of old macadam which had to be removed and this caused a higher preparation cost than ordinarily.

There were 3,234 square yards in the job.

HARVARD SQUARE AND MASSACHUSETTS AVENUE From Blake to Chester Street

Labor payrolls.....	\$6,167 96	
Bitulithic pavement.....	22,237 54	
Sand and stone.....	217 89	
Compressor rental.....	109 07	
Lighting.....	80 26	
Sidewalk bricks.....	51 45	
Cement.....	162 92	
Tools.....	129 16	
Truck hire.....	162 83	
Use of trucks and horses.....	800 00	
		\$30,119 08

This expenditure represents two separate jobs. Harvard Square, on the west side, from Church Street to Brattle Street, was widened by moving back the sidewalk about four feet. The space gained in the roadway was then concreted and covered with Warrenite-Bitulithic pavement. Work was started at Garden Street and the old worn-out wooden blocks were removed and the entire square on the west side of the car tracks to Brattle Street and Boylston Street and along the south side to Dunster Street was covered with mastic binder and Warrenite top. The car tracks not in use were covered over and not taken out.

The second part of the job was on the east side of Massachusetts Avenue, from Blake Street to about Chester Street, where the old wood pavement was removed, mastic binder laid and a Warrenite top replaced. It is hoped that the remainder of this street can be done next year.

There were 2,474.7 square yards in Harvard Square and 3,342 square yards in the Massachusetts Avenue job.

MAIN STREET AND BROADWAY WIDENING

Labor payrolls.....	\$17,804 87	
Mixer rentals and repairs.....	1,045 05	
Sand and stone.....	640 18	
Cement.....	810 68	
Lighting.....	54 59	
Truck hire.....	81 00	
Recutting blocks.....	1,149 63	
Compressor rental.....	23 67	
Damages paid.....	27,243 95	
Roller fuel.....	83 68	
Concrete pavement.....	4,349 21	
Use of horses and trucks.....	1,300 00	
		\$54,798 33

This job was completed early in the spring and the work consisted of completing the pavement on the Main Street section from the subway enclosure to the bridge, the repaving of First Street, from Main to the First Street Bridge, and replacing the old granite block pavement in the underpass with reinforced concrete from the bridge to the District Commission line. This great undertaking is now complete and with the exception of one settlement now in litigation, all the expenses are paid.

MADISON AVENUE, ENTIRE

Labor payrolls.....	\$1,513 54	
Bitulithic pavement.....	3,493 67	
Roller fuel.....	71 57	
Use of trucks and horses.....	500 00	
		<hr/>
		\$5,578 78

This street was constructed with Warrenite-Bitulithic pavement on the old macadam base. There were 1,867.3 square yards.

MAPLE AVENUE, ENTIRE

Labor payrolls.....	\$6,563 28	
Roller parts.....	2 45	
Tools.....	49 78	
Lighting.....	19 60	
Truck hire.....	100 00	
Bitulithic pavement.....	6,411 43	
Binder.....	156 80	
Sundries.....	4 41	
Use of trucks and horses.....	500 00	
		<hr/>
		\$13,807 75

This street was constructed with Warrenite-Bitulithic pavement on the old macadam base. It required much excavation to bring it to grade and several clay pockets were uncovered which had to be dug out and covered with binder. There were 3,443.3 square yards.

MT. AUBURN STREET

At old car barn

Boston Elevated Railway work.....	\$1,176 00	
Bitulithic pavement.....	3,674 90	
		<hr/>
		\$4,850 90

The funds for this work were provided from balances of other ten-year work of this year. As the job required removal and filling back of railway tracks, it was agreed to have the Boston Elevated Railway do this work on a cost basis in connection with

their own work. The car barn has long since been abandoned as such and is now in use by several business concerns. The surface was covered with Warrenite-Bitulithic. There were 1,689.4 square yards covered over.

MASSACHUSETTS AVENUE

Vassar Street to Princeton Street, South Side

Labor payrolls.....	\$2,905 78	
Advertising.....	24 50	
Truck hire.....	65 63	
Lighting.....	153 86	
Recutting blocks.....	1,549 56	
Sand and stone.....	134 13	
Mixer rental.....	29 40	
Cement.....	327 09	
Sundries.....	4 38	
Use of trucks and horses.....	800 00	
		<hr/>
		\$5,994 33

This was the unfinished portion of Massachusetts Avenue left two years ago. The old wood blocks were removed and specially cut blocks were repaved in the area. The blocks were cut from our yard stock and were grouted in with cement. The job was started late in the fall and some of the grouting will have to be renewed in the spring. A substantial saving was effected by using our own blocks and labor.

NEW STREET GARAGE

Heating equipment.....	\$215 20	
Lifting device.....	161 70	
Use of trucks and horses.....	500 00	
		<hr/>
		\$876 90

This expenditure was made for the purpose of putting the new station into operation. The charge for trucking was made for an offset to the expense of hauling gravel from the rear of Fresh Pond into the street so that a roadway into the place might be had. The old street had fallen into the clay pit adjoining and hundreds of loads of rubble and gravel were required to allow our trucks to get into the building.

PUTNAM AVENUE

Western Avenue to Pleasant Street

Labor payrolls.....	\$7,537 86	
Truck hire.....	337 50	
Lighting.....	88 10	
Bitulithic pavement.....	14,979 74	
Sand and stone.....	761 18	
Tools.....	81 70	
Cement.....	361 97	
Compressor rental.....	112 21	
Sewer work.....	104 28	
Use of trucks and horses.....	800 00	
		<hr/>
		\$25,164 62

This job was done in two sections. Between Western Avenue and River Street, the old vitrified bricks were covered over with Warrenite-Bitulithic pavement after adjusting gutter grades. The remainder of the street, between River Street and Pleasant Street, presented a much more difficult problem. There were old car tracks long since abandoned which had to be pulled out and all of the old vitrified brick pavement taken out also to provide a suitable base at proper grades. Mastic binder was used to bring up the low places and the track trenches filled in with ready-mixed concrete. The whole surface was then covered with Warrenite-Bitulithic top. There were 6,085 square yards in the street.

PEARL STREET

Massachusetts Avenue to Green Street

Labor payrolls.....	\$1,260 98	
Tools.....	40 75	
Lighting.....	63 31	
Track work, Boston Elevated Railway Company.....	1,503 78	
Bitulithic pavement.....	2,293 69	
Sewer work.....	43 38	
Use of trucks and horses.....	250 00	
		<hr/>
		\$5,455 89

This section of Pearl Street had a worn-out vitrified brick pavement and car track and turnout. The Railway Company altered its entire layout in this street and arrangements were made with them to do the necessary concreting work in order to speed up the job as it leads into the main artery of the City. Binder was applied to bring up low spots and a Warrenite-Bitulithic top applied. There were 645 square yards in the work.

PORTLAND STREET
Main Street to Albany Street

Labor payrolls.....	\$3,534 72	
Hired trucks.....	284 25	
Cement.....	931 61	
Sand and stone.....	369 61	
Mixer repairs and rentals.....	160 76	
Compressor rentals.....	75 46	
Recutting blocks.....	1,107 93	
Use of horses and trucks.....	250 00	
		<hr/>
		\$6,714 34

This section of Portland Street had been started early in March and was completed shortly after the middle of April. The old blocks were taken up, recut, repaved on a concrete base and grouted with cement. The work was done by force account.

PORTLAND STREET
Vandine Street to Cambridge Street

Labor payrolls.....	\$18,577 46	
Mixer rental and repairs.....	278 00	
Truck hire.....	549 75	
Recutting blocks.....	2,757 25	
Cement.....	4,871 86	
Sand and stone.....	2,785 37	
Reinforcing rods.....	127 30	
Tools.....	248 23	
Lighting.....	45 47	
Sundries.....	11 76	
Use of trucks and horses.....	1,100 00	
		<hr/>
		\$31,352 45

This section now completes the repaving of Portland Street as this part required repairing to the sewer and further work could not be done until this was finished. In order to prevent the settling of the newly paved street over the sewer trench, the concrete was reinforced with rods and no trouble is anticipated from this source. The blocks were taken out, recut, a concrete base laid and the recut block paved back and grouted with cement.

PUTNAM SQUARE AND MASSACHUSETTS AVENUE
North Side, from Norfolk Street to Columbia Street

Labor payrolls.....	\$1,932 05	
Advertising.....	19 60	
Tools.....	20 20	
Bitulithic pavement.....	10,995 19	
Truck hire.....	287 50	
Use of trucks and horses.....	550 00	
		<hr/>
		\$13,804 54

Putnam Square was paved years ago with wood blocks and these were removed this year. A mastic base was laid and a Warrenite-Bitulithic top put in its place. As this job did not require the full appropriation, the balance was spent in doing exactly the same job on Massachusetts Avenue. There were 1,325.6 yards in Putnam Square and 1,720.6 yards in Massachusetts Avenue.

RIVER STREET

Auburn Street to Central Square

Labor payrolls.....	\$9,987 71	
Advertising.....	22 05	
Tools.....	131 59	
Lighting.....	42 75	
Recutting blocks.....	2,072 89	
Sand and stone.....	502 54	
Mixer repairs.....	152 87	
Cement.....	937 47	
Mixed concrete.....	202 50	
Sewer work.....	45 00	
Use of trucks and horses.....	800 00	
		<hr/>
		\$14,897 37

This now completes the repaving of River Street and a smooth paved street now runs from Central Square to the Parkway. It was decided to pave this portion with specially recut blocks from yard stock. The old vitrified bricks were removed and the street car track pulled out. The base was patched where necessary and granite blocks laid and grouted with cement and a substantial saving in cost was made.

SIDNEY STREET

Massachusetts Avenue to Erie Street

Labor payrolls.....	\$12,801 38	
Advertising.....	19 11	
Hired trucking.....	1,105 88	
Tools.....	83 54	
Concrete pavement.....	20,008 63	
Sand and stone.....	98 14	
Lighting.....	112 21	
Sidewalk bricks.....	51 45	
Driveway work.....	99 25	
Hauling stone.....	93 00	
Filler.....	174 42	
Sundries.....	3 67	
Use of trucks and horses.....	2,200 00	
		<hr/>
		\$36,861 75

This section of Sidney Street had been paved with eight-inch granite blocks on sand. These blocks were removed and carted to the yard and will be recut and used again in other streets. Upon the gravel base was then laid an eight-inch reinforced concrete pavement laid under the State specification. The work was put in by the Simpson Brothers Corporation. There were 7,025 square yards in the street.

SHERMAN STREET
Taylor Square to Walden Street

Labor payrolls.....	\$4,506 30	
Roller fuel.....	24 33	
Tools.....	110 52	
Lighting.....	142 49	
Cement.....	1,193 44	
Excavation.....	1,304 50	
Crushed stone.....	408 59	
Cinders.....	29 40	
Sand and stone.....	813 27	
Mixer parts.....	156 19	
Bitulithic pavement.....	5,323 09	
Use of horses and trucks.....	250 00	
		\$14,262 12

This section of Sherman Street was constructed with Bitulithic pavement on a macadam base about nine years ago and on account of the clay subsoil had become completely broken up. A steam shovel was put in and the old pavement removed; a concrete base constructed and a new Warrenite-Bitulithic surface was put on. There were 2,858.8 square yards in the job.

TEN-YEAR BALANCES OF 1928

Excavation of Vassar Street.....	\$1,536 12
----------------------------------	------------

This sum was expended to excavate that section of Vassar Street between Massachusetts Avenue and Main Street, to subgrade wherever necessary with the anticipation that funds could be had for the construction with permanent pavement later. This was not done this year and will be a matter for consideration next spring.

This will add a new through artery when completed from Main Street to the Cottage Farm Bridge and should do much to relieve traffic conditions in that section.

WILLIAM STREET, ENTIRE

Labor payrolls.....	\$2,444 43	
Roller fuel.....	165 33	
Hired trucks.....	152 00	
Roller parts.....	5 14	
Sidewalk bricks.....	34 30	
Bitulithic pavement.....	4,535 83	
Use of horses and trucks.....	250 00	
		<hr/>
		\$7,587 03

This street was constructed with Warrenite-Bitulithic on the old macadam base. There were 2,436 square yards in the street.

WHITEMORE AVENUE, ENTIRE

This street was constructed with Warrenite-Bitulithic on the old macadam base. There were 2,346.5 square yards in the street.

FIVE-YEAR LOANS

Bituminous Macadam Work

Chilton Street, Vassal Lane to Concord Avenue.....	\$2,497 91	
Fayerweather Street, Concord Avenue to Walden.....	5,044 91	
Frank Street, entire.....	1,668 42	
Harrison Avenue, entire.....	6,110 59	
Prince Street, entire.....	3,289 39	
Rockingham Street, entire.....	3,228 39	
Richards Avenue, entire.....	4,746 85	
Upton Street, entire.....	4,445 63	
Walker Street, entire.....	3,572 70	
Willard Street, entire.....	3,704 39	
		<hr/>
		\$38,308 77

The above list of streets were constructed with crushed stone with bituminous binder. Harrison Avenue and Richards Avenue are new construction and are now completed built with new houses on both sides.

LAKEVIEW AVENUE

Brattle Street to Huron Avenue

Labor payrolls.....	\$7,336 29	
Lighting.....	99 47	
Roller fuel.....	184 27	
Sand and stone.....	54 44	
Bitulithic pavement.....	11,166 71	
Sundries.....	7 64	
Use of trucks and horses.....	500 00	
		<hr/>
		\$19,348 83

The funds for this job were provided by transfer from Concord Avenue and Webster Avenue as these jobs could not be done this year. The street was surfaced with Warrenite-Bitulithic pavement on the old macadam base. There were 5,871 square yards in the street.

WARREN STREET, ENTIRE

Labor payrolls.....	\$3,503 98	
Hired trucks.....	229 00	
Recutting blocks.....	1,459 69	
Sand and gravel.....	859 71	
Tools.....	188 01	
Mixer repairs and rentals.....	482 60	
Cement.....	690 13	
Use of trucks.....	1,500 00	
	<hr/>	\$5,960 20

This street was repaved by cutting the old blocks, constructing a concrete base and relaying the recut blocks with cement grout. The condition of the old pavement was such that this type of construction was necessary this year.

WESTERN AVENUE

Putnam Avenue to Parkway

Labor payrolls.....	\$8,049 72	
Mixer parts.....	38 51	
Lighting.....	75 07	
Recutting blocks.....	411 60	
Sewer work.....	113 58	
Sand and stone.....	168 56	
Compressor rental.....	100 65	
Tools.....	161 21	
Cement.....	497 94	
	<hr/>	\$9,626 84

This section of Western Avenue was opened during the winter and work continued until early in February. It was possible to use an eight-inch block on the old bed of this street after taking out the worn-out granite blocks. On this account, the blocks taken out of Sidney Street earlier in the year were paved in and grouted with cement. The work was done on the south side and was continued down as far as Montague Street where it was closed in on account of snow.

GENERAL RECOMMENDATIONS

One of the most important projects to be started this next year is the rebuilding of Prospect Street from Massachusetts Avenue to Cambridge Street. I shall recommend that the street car tracks be entirely removed and smooth pavement be laid the entire distance. Bus service has now been installed in place of the street cars and this will be imperative on account of the poor condition of the present surface.

Vassar Street, from Main Street to Massachusetts Avenue, was partially prepared for construction during the year and I recommend that this section of Vassar Street be included in the estimates for next year. This street should have permanent construction of the most rugged type and when completed will provide a cross artery for general traffic from Main Street in the manufacturing district through to Memorial Drive. It would be necessary to have the Metropolitan District Commission allow this traffic to pass over the Parkway to Cottage Farm Bridge.

Massachusetts Avenue, from Chester Street to the Arlington line on the east side, will also be permanently paved this year and the old wooden blocks taken out. This same type of work will be required on Massachusetts Avenue, from Central Square to Lafayette Square, and at that time the main street of the City will be in fairly satisfactory shape after the usual maintenance work on other sections.

Cambridge Street, from Inman Square to Bridge Street, in all places where the old wooden blocks are still laid, should be reconstructed with smooth pavement and will be included in the estimates for the coming year.

There is insistent demand that Bent Street, from First Street to Second Street, be cleared off and constructed with granite block pavement. This is in impassible condition at the present time and has recently been accepted as a public highway.

Binney Street, from Portland Street to the Railroad Crossing, is also proposed for repaving on concrete base as the heavy traffic has caused the present surface to become very rough and uneven.

There are several minor streets throughout the City which will call for rebuilding this coming season and a large enough appropriation will be asked for to do them. Building operations

in the northern part of the City will require new street surfaces and an effort will be made to build them.

The new Alewife Brook Artery will be opened for traffic about July 1, 1930 and will open a broad route across the northern end of Cambridge which will be a great benefit to traffic desiring to reach the southern and western routes passing through Cambridge.

IN GENERAL

In point of improvements accomplished, the year has been one of unusual progress. The main highways of the City are fast being paved with surfaces suitable for the traffic passing over them and I believe the coming year will show similar activity. The department equipment is being renewed with modern machinery to properly handle the functions assigned to it and it is my ambition to raise the standard of efficiency to the highest point possible.

For the results accomplished so far, I must express my sincere thanks and appreciation for the coöperation and assistance of both Mayor Quinn and Mayor Russell, the City Council, fellow heads of departments and to the rank and file of the department generally.

Respectfully submitted,

WILLIAM R. McMENIMEN,
Superintendent of Streets.

REPORT OF THE BOSTON AND CAMBRIDGE BRIDGES EXPENDITURES

Printing payrolls.	\$20 92	
Lighting bridges.	3,634 44	
Telephone service.	29 02	
Office supplies.	10 71	
Fuel.	6 44	
Tools.	113 40	
Lumber.	335 83	
Rebuilding draw at Prison Point.	11,719 10	
General repairs.	3,146 75	
		<hr/>
		\$19,016 61

The outstanding achievement in this Department for the past year was the discontinuance of the draw at Prison Point Bridge. The entire draw-way was taken out and the steel work replaced and strengthened. A new floor of treated timber was laid and upon this was placed a pavement of Durax granite blocks.

A great saving will be made from now on due to this work as no further maintenance will be required.

The lighting situation on the Longfellow Bridge is receiving consideration and I am recommending that the present sidewalk fixtures be entirely discontinued and that arrangements be made with the Boston Elevated Railway Company to install lights on their trolley brackets with larger lamps with greater candle power. Broken fixtures on Cottage Farm Bridge and River Street Bridge will be immediately replaced and an effort made to replace the post and lamp broken on Anderson Bridge.

The work proposed on the sidewalk brackets on Longfellow Bridge cannot be done this year and the appropriation will be carried forward.

The present Commissioner took over the work on January 7, 1930, but the present report covers the work of the entire year.

My thanks are extended to Mr. John J. Carty who is the Boston Commissioner for his coöperation and assistance during my term of office.

Respectfully submitted,

WILLIAM R. McMENIMEN,
Bridge Commissioner.

SIXTY-THIRD ANNUAL REPORT OF THE CITY ENGINEER

1929-1930

To the Honorable City Council:

The City Engineer hereby submits his annual report, being the sixty-third of the Department, showing the operation and expenditures of the Engineering and Sewer Departments for the year ending March 31, 1930.

A brief summary of the work of the Engineering and Sewer Departments for the year is as follows:

FOR HIGHWAY DEPARTMENT

Number of surveys made.....	5
Number of street lines given.....	155
Number of grades given.....	210
Number of streets on which paving, curbs, etc., were measured....	68
Number of assessments prepared.....	99
Number of plans and profiles prepared.....	51

FOR SEWER DEPARTMENT

Number of surveys made.....	15
Number of lines given.....	90
Number of grades given.....	110
Number of sewers measured.....	16
Number of plans and profiles prepared.....	19

FOR WATER DEPARTMENT

Number of lines given.....	30
Number of surveys made.....	15
Number of plans and profiles prepared.....	7
Number of grades given.....	50

FOR LAW DEPARTMENT

Number of surveys made.....	49
Number of plans prepared.....	18
Number of photographic negatives made.....	75

FOR PARK DEPARTMENT

Number of surveys made.....	4
Number of lines given.....	19
Number of grades given.....	35

FOR CEMETERY DEPARTMENT

Number of surveys made.....	2
Number of lines given.....	3
Number of grades given.....	1
Number of plans and profiles prepared.....	3

FOR MISCELLANEOUS WORK

Number of circuit bench levels	6
Number of houses measured	620
Number of plans, profiles, tracings, etc., prepared	49
Number of surveys made	15
Number of lines given	249
Number of grades given	85
Number of photographic negatives made	60

There are on file in this office 14,535 plans.

FINANCIAL
Engineering Department
SALARIES

Appropriation	\$23,426 00
Expended	23,281 00
Balance	\$145 00

GENERAL EXPENSE

Appropriation	\$950 00
Expended	936 50
Balance	\$13 50

In addition to and including the above amounts charged to salaries of Assistants, there has been expended and charged to the Department as follows:

To Assessors Plans	\$1,192 74
To Sewer Department	3,731 00
To Water Department	0 00
To salary of City Engineer	4,700 00
To salaries of Assistants	18,581 00
Total	\$28,204 74

CLASSIFICATION OF SALARIES OF ASSISTANTS

Accidents: surveys, plans and court attendance for Law Department	\$765 00
Accounts: bookkeeping and clerical work	1,733 00
Assessors' Plans: surveys, measurements and work on block plans for Assessors' Department	3,490 74
Bridges: surveys, plans, examinations and estimates	366 00
Cemetery: surveys, measurements, and plans setting out lots at Cambridge Cemetery	128 75
Highways: surveys, levels, plans, titles, estimates, measurements and assessments for Highway Department, also lines and grades given for for private parties	3,426 25
Miscellaneous: unclassified work for committees and departments, vacations and sickness	4,712 50
Parks: surveys, lines, grades, plans and estimates for Park Department	336 00
Sewers: lines, grades, plans, estimates, accounts, measurements and assessments for Sewer Department	5,219 50
Water Works: surveys, lines, grades, plans and estimates for Water Works Department	3,327 00
Total	\$23,504 74

STREETS LAID OUT AND ACCEPTED FROM APRIL 1, 1929 TO APRIL 1, 1930

LOCATION OF STREET				PLAN		
Street	From	To	Length in Feet	Width in Feet	Made by	Date of Acceptance
Harrison Ave. Bent St. Richard Ave. Alpine St. Holworthy St. Emily St.	Whittemore Ave. First St. Mass. Ave. Concord Ave. Huron Ave. Brookline St.	Columbus Ave. Second St. Northerly Vassal Lane Fountain Ter. Sidney St.	418 400 368.5 659.5 490 440	40 50 40 40 40 & 50 40	Donald J. Reardon City Engineer Donald J. Reardon Donald J. Reardon Bay State Surveying Co. Bay State Surveying Co.	April 12, 1929 May 24, 1929 May 24, 1929 May 24, 1929 Sept. 20, 1929 Dec. 13, 1929 Feb. 21, 1929
THE FOLLOWING STREETS WERE DISCONTINUED						
Colonial Way Holyoke St. (part)	Memorial Drive South St.	Cowperthwaite St. Southerly	189.2	40	Aspinwall & Lincoln Aspinwall & Lincoln	May 27, 1929 May 24, 1929
THE FOLLOWING STREETS WERE WIDENED						
Holyoke St. (part) Cambridge St.	South St. Holmes Place	Southerly Mass. Ave.			Aspinwall & Lincoln City Engineer	May 24, 1929 Oct. 11, 1929

Length of accepted streets, March 31, 1929.....112.819 miles

Accepted in 1929......525 miles

Discontinued in 1929......035 miles

Length of accepted stretes, March 31, 1930.....113.309 miles

Length of unaccepted streets, March 31, 1930.....14.970 miles

Total mileage open for travel.....128.279 miles

STATISTICS OF THE PAVEMENTS LAID IN THE CITY TO MARCH 31, 1930 ARE AS FOLLOWS:

Kind	Length in Miles			Area in Square Yards		
	Laid in 1929	Removed in 1929	To Date	Laid in 1929	Removed in 1929	To Date
Granite block.....	0.258	0.390	13.675	8,612	6,360	344,223
Vitrified brick.....	None	0.434	0.454	None	7,185	14,938
Wood block.....	None	0.374	1,978	None	10,322	33,342
Bitulithic.....	2.383	None	33.833	45,500	None	641,969
Concrete.....	0.429	None	0.753	6,810	None	13,443
Tar macadam.....	0.659	1.636	35.186	10,003	27,026	565,915
Macadam.....	....	....	42.40	....	....	212,404
Totals.....	3.729	2.834	128.279	70,925	50,893	1,826,234

BRIDGES

Wellington Brook Bridge, at Blanchard Road. This bridge is in good condition.

Huron Avenue Bridge, at Fountain Terrace. A steel bridge on piers. This bridge is in bad condition, as shown by a letter of March 9, 1928, to his Honor, Mayor Edward W. Quinn. No action has been taken on the suggestions then made. The floor planks have become decayed in places and the two (2) fences on the Fountain Terrace approaches have become useless so that now the conditions there are dangerous. As a temporary measure, the floor could be patched where decayed.

Huron Avenue Bridge, over Boston and Maine (Fitchburg) Railroad. This steel bridge is now in fairly good condition. To avoid corrosion, the dirt and clay should be cleaned away from the supporting columns which should be kept painted.

Walden Street Bridge, over Boston and Maine (Fitchburg) Railroad. This bridge is of steel and reinforced concrete. The concrete on the underside of the floor needs patching in five (5) places. The concrete gunite covering of the two (2) outside trusses should also be patched in a number of places.

Sixth Street Bridge, over Broad Canal. This bridge is of steel and concrete. Traffic gates on the northeasterly side of the bridge need readjusting. The steel work should be painted.

Third Street Bridge, over Broad Canal. A steel and concrete bridge. Completed December 11, 1928. The traffic gate in the northeasterly side should have the operating gear repaired.

First Street Bridge, over Broad Canal. A steel and concrete bridge. The traffic gates on the northerly side of the canal have been broken by sundry collisions and should be replaced at once. In the channel of the canal there should be placed three (3) new pile dolphins to guard the approach of vessels on the canal.

Commercial Avenue Bridge, over Lechmere Canal. Steel and concrete bridge. This bridge itself was put in fairly good condition in 1929. The operating motors and machinery are still in poor condition and should be renewed. The floor of the draw as now built should be slightly raised so as to meet the level of the fixed portions of the roadway and prevent pounding of the traffic.

ASSESSORS BLOCK PLANS

Work on preparing the new draft of the block plans for the Assessors Department was continued during the year. Fifty-four new sheets having been made during the year ending March 31, 1930, making the total number redrawn 110. The amount of money expended during the year was \$1,192.74.

TANNERY BROOK, STORM WATER DRAIN

In 1895 the cities of Cambridge and Somerville, acting jointly, constructed a storm water drain following substantially the bed of the old Tannery Brook as it then existed from the city line to the northerly side of Clarendon Avenue in the City of Cambridge.

The portion between Clarendon Avenue and Alewife Brook, its outlet, was left in its natural condition as an open brook. This open brook became more and more obstructed and filled up with debris and sediment, and the sides pushed in so that its capacity was greatly reduced.

This caused repeated overflowing of the banks by storm water, and the deposit of sediment became so offensive that repeated petitions were made by residents of the vicinity for the abatement of the nuisance existing there.

A conference was had by the Mayors of Cambridge and Somerville and other officials, and it was agreed that this open part of the Tannery Brook should be replaced with a closed channel or conduit, and that the expense of constructing this conduit should be borne by the two (2) cities in the proportion of seventy (70) per cent by the City of Somerville and thirty (30) per cent by the City of Cambridge and that the City Engineers of the two (2) cities should carry out this agreement and construct the conduit.

It was decided that the conduit should be formed of two (2) lines of reinforced concrete pipe each fifty-four (54) inches in diameter inside and laid side by side and one (1) foot apart.

A contract was made by the City of Cambridge with the Concrete Products Company of America, of Pittsburg, Pa., to furnish the pipe required. Two thousand sixty (2,060) lineal feet of pipe were furnished at a total cost of fourteen thousand two hundred thirty-three dollars and fifty-two cents (\$14,233.52).

SEWERS CONSTRUCTED APRIL 1, 1929 TO APRIL 1, 1930

Street	From	To	Material	Size in Inches			Number of			Av. Depth in Feet	Length in Feet			Cost		Time when work was	
				Combined	Storm	Sanitary	Manholes	Lamp-holes	Inlets		Combined	Storm	Sanitary	Per Foot	Total	Begun	Finished
(a) Alewife Brook Parkway	Across	North of Seagrave Road	Concrete Pipe	.....	21	.....	.....	.....	.....	4.0	.....	51.0	.....	.....	.....	June 10, 1929	June 11, 1929
Bent Street	East of Fifth Street	Easterly	Akron Pipe	15	.....	.....	1	1	14	10.5	230.6	.....	.....	\$11.27	\$2,599.15	May 13, 1929	June 11, 1929
Chestnut Street	West of Magazine Street	Easterly	Akron Pipe	8	.....	.....	1	.....	6	7.3	86.0	.....	.....	6.63	570.71	Feb. 17, 1929	Mar. 1, 1929
(b) Granite Street (Park Land)	Pearl Street	Easterly	Akron Pipe	.....	12-10 8-6	.....	1	.....	2	4.0	.....	744.0	.....	2.63	(b) 1,959.36	Dec. 1, 1929	Dec. 14, 1929
Kassul Park	Whittemore Avenue	Northerly	Akron Pipe	.....	10	8	.....	2	32	9.0	.....	210.7	212.3	11.25	2,390.53	July 2, 1929	July 22, 1929
New Street	Concord Avenue	Northerly	Akron Pipe	12	.....	.....	1	1	25	4.3	567.5	.....	.....	7.96	4,517.29	Apr. 1, 1929	May 31, 1929
Private Lands (East of Moulton Street)	Alewife Brook	Moulton Street	Concrete Pipe	.....	42 x 54 39 x 48	.....	4	.....	22	4.5	.....	1,052.5	.....	26.72	23,128.86	June 23, 1929	Dec. 21, 1929
Riverside Road	Magazine Street	Westerly	Akron Pipe	12	.....	.....	.....	1	14	7.0	232.0	.....	.....	20.83	4,834.16	Aug. 5, 1929	Sept. 14, 1929
Seagrave Road	Columbus Avenue	Near Whittemore Avenue	Concrete and Akron Pipe	.....	18-15-10	12-10-8	3	2	50	8.0	.....	696.2	697.7	9.64	6,719.84	Mar. 5, 1929	May 20, 1929
Sherman Street Outlet	West of Sherman Street	Easterly	Concrete	.....	63 x 108	.....	.....	.....	.....	10.5	.....	95.0	.....	.....	.....	Oct. 7, 1929	(Not Complete)
Trowbridge Street	Cambridge Street	Northerly	Akron Pipe	15	.....	.....	.....	.....	.....	9.5	119.9	.....	.....	12.52	1,502.31	Sept. 12, 1929	Sept. 28, 1929
Waterman Road	Standish Street	Easterly	Akron Pipe	.....	8	8	.....	2	16	6.0	.....	180.0	183.5	5.83	1,070.21	May 29, 1929	June 8, 1929
Whittemore Avenue	Kimball Street	Westerly	Concrete and Akron Pipe	.....	24 x 21 15 & 10	10 & 8	2	2	92	9.5	.....	640.3	641.6	14.51	9,311.73	Feb. 11, 1929	July 2, 1929
Windsor Street (Relief Con.)	{ South of Hampshire Bristol Street	Hampshire Street Market Street	Akron Pipe } Akron Pipe }	10 12	..... .....	..... .....	..... .....	..... .....	..... .....	7.0 7.0	64.3 50.0	..... .....	..... .....	11.85	1,354.56	July 29, 1929	Oct. 27, 1929
Winter Street Place	North of Winter Street	Bridge Street	Akron Pipe	12	.....	.....	1	.....	4	7.0	160.8	.....	.....	7.40	1,190.15	July 24, 1929	Aug. 4, 1929
Tannery Brook	Alewife Brook Parkway	Clarendon Avenue	Concrete Pipe	.....	2 Lines 54	.....	5	.....	29	.....	.....	1,085.3	.....	33.22	37,060.77	.....	.....

(a) Cost Included in Seagrave Road

(b) \$454.53 of this amount paid by the Metropolitan District Commission.

Name of the person		Address	
Mr. J. H. Smith		123 Main St.	
Mrs. A. B. Jones		456 Elm St.	
Mr. C. D. Brown		789 Oak St.	
Mrs. E. F. Green		101 Pine St.	
Mr. G. H. White		202 Cedar St.	
Mrs. I. J. Black		303 Birch St.	
Mr. K. L. Gray		404 Spruce St.	
Mrs. M. N. Hall		505 Willow St.	
Mr. O. P. King		606 Ash St.	
Mrs. Q. R. Lee		707 Hickory St.	
Mr. S. T. Scott		808 Walnut St.	
Mrs. U. V. Adams		909 Chestnut St.	
Mr. W. X. Baker		1010 Maple St.	
Mrs. Y. Z. Clark		1111 Poplar St.	
Mr. A. B. Evans		1212 Sycamore St.	
Mrs. C. D. Foster		1313 Dogwood St.	
Mr. E. F. Gibson		1414 Magnolia St.	
Mrs. G. H. Harris		1515 Camellia St.	
Mr. I. J. King		1616 Azalea St.	
Mrs. K. L. Lee		1717 Jasmine St.	
Mr. M. N. Scott		1818 Lilac St.	
Mrs. O. P. Adams		1919 Rose St.	
Mr. Q. R. Baker		2020 Tulip St.	
Mrs. S. T. Clark		2121 Iris St.	
Mr. U. V. Evans		2222 Daffodil St.	
Mrs. W. X. Foster		2323 Pansy St.	
Mr. Y. Z. Gibson		2424 Marigold St.	
Mrs. A. B. Harris		2525 Zinnia St.	
Mr. C. D. King		2626 Begonia St.	
Mrs. E. F. Lee		2727 Fuchsia St.	
Mr. G. H. Scott		2828 Geranium St.	
Mrs. I. J. Adams		2929 Petunia St.	
Mr. K. L. Baker		3030 Verbena St.	
Mrs. M. N. Clark		3131 Salvia St.	
Mr. O. P. Evans		3232 Lavender St.	
Mrs. Q. R. Foster		3333 Stachys St.	
Mr. S. T. Gibson		3434 Thymus St.	
Mrs. U. V. Harris		3535 Oregano St.	
Mr. W. X. King		3636 Basil St.	
Mrs. Y. Z. Lee		3737 Parsley St.	
Mr. A. B. Scott		3838 Cilantro St.	
Mrs. C. D. Adams		3939 Fennel St.	
Mr. E. F. Baker		4040 Dill St.	
Mrs. G. H. Clark		4141 Mustard St.	
Mr. I. J. Evans		4242 Turnip St.	
Mrs. K. L. Foster		4343 Potato St.	
Mr. M. N. Gibson		4444 Tomato St.	
Mrs. O. P. Harris		4545 Onion St.	
Mr. Q. R. King		4646 Garlic St.	
Mrs. S. T. Lee		4747 Shallot St.	
Mr. U. V. Scott		4848 Leek St.	
Mrs. W. X. Adams		4949 Asparagus St.	
Mr. Y. Z. Baker		5050 Broccoli St.	
Mrs. A. B. Clark		5151 Cauliflower St.	
Mr. C. D. Evans		5252 Spinach St.	
Mrs. E. F. Foster		5353 Lettuce St.	
Mr. G. H. Gibson		5454 Cabbage St.	
Mrs. I. J. Harris		5555 Carrot St.	
Mr. K. L. King		5656 Beet St.	
Mrs. M. N. Lee		5757 Turnip St.	
Mr. O. P. Scott		5858 Potato St.	
Mrs. Q. R. Adams		5959 Tomato St.	
Mr. S. T. Baker		6060 Onion St.	
Mrs. U. V. Clark		6161 Garlic St.	
Mr. W. X. Evans		6262 Shallot St.	
Mrs. Y. Z. Foster		6363 Leek St.	
Mr. A. B. Gibson		6464 Asparagus St.	
Mrs. C. D. Harris		6565 Broccoli St.	
Mr. E. F. King		6666 Cauliflower St.	
Mrs. G. H. Lee		6767 Spinach St.	
Mr. I. J. Scott		6868 Lettuce St.	
Mrs. K. L. Adams		6969 Cabbage St.	
Mr. M. N. Baker		7070 Carrot St.	
Mrs. O. P. Clark		7171 Beet St.	
Mr. Q. R. Evans		7272 Turnip St.	
Mrs. S. T. Foster		7373 Potato St.	
Mr. U. V. Gibson		7474 Tomato St.	
Mrs. W. X. Harris		7575 Onion St.	
Mr. Y. Z. King		7676 Garlic St.	
Mrs. A. B. Lee		7777 Shallot St.	
Mr. C. D. Scott		7878 Leek St.	
Mrs. E. F. Adams		7979 Asparagus St.	
Mr. G. H. Baker		8080 Broccoli St.	
Mrs. I. J. Clark		8181 Cauliflower St.	
Mr. K. L. Evans		8282 Spinach St.	
Mrs. M. N. Foster		8383 Lettuce St.	
Mr. O. P. Gibson		8484 Cabbage St.	
Mrs. Q. R. Harris		8585 Carrot St.	
Mr. S. T. King		8686 Beet St.	
Mrs. U. V. Lee		8787 Turnip St.	
Mr. W. X. Scott		8888 Potato St.	
Mrs. Y. Z. Adams		8989 Tomato St.	
Mr. A. B. Baker		9090 Onion St.	
Mrs. C. D. Clark		9191 Garlic St.	
Mr. E. F. Evans		9292 Shallot St.	
Mrs. G. H. Foster		9393 Leek St.	
Mr. I. J. Gibson		9494 Asparagus St.	
Mrs. K. L. Harris		9595 Broccoli St.	
Mr. M. N. King		9696 Cauliflower St.	
Mrs. O. P. Lee		9797 Spinach St.	
Mr. Q. R. Scott		9898 Lettuce St.	
Mrs. S. T. Adams		9999 Cabbage St.	

The City of Somerville prepared a contract for the digging of the trench and laying of the pipe, and all incidental work, which was executed by Dennis I. Crimmins of Somerville. The amount paid the contractor for this work was nineteen thousand three hundred fifty-six dollars and thirty-seven cents (\$19,356.37). The total cost of the work to date, including cement pipe, laying same, inspection, land damages and incidentals was thirty-seven thousand sixty dollars and seventy-seven cents (\$37,060.77). The entire length of the conduit as constructed is 1,085.3 lineal feet. The work was completed about January 1, 1930. The care and maintenance of this drain is to be done by the City of Cambridge.

GENERAL SEWER CONSTRUCTION

The total length of sewers constructed during the year was 1.506 miles, making a total mileage in the City of 177.370 miles. The total length of streets newly sewered during the year was .979 miles, making a total mileage of streets sewered with one or more conduits 128.563 miles.

There are 111.257 miles of combined sewers in the City, 46.791 miles of sanitary sewers and 19.322 miles of storm sewers, making a total of 177.370 miles.

STREET CATCH BASINS

The total number of catch basins in the City is now 2,570.

Catch basins with wooden covers	250
Catch basins with sidewalk flaggings	1,073
Catch basins with cast iron "D" frames	1,179
Catch basins with miscellaneous covers	68

Thirty-six new catch basins have been built during the year of which number 11 were replacements on account of street widenings, etc., and were paid for by the Street Department. Harvard University paid for the building of two other new basins, leaving 23 basins to be built by the Sewer Department at a cost of \$4,615.86.

Fifty-six catch basins have been repaired during the year at a cost of \$4,228.88.

Twenty-three hundred forty-nine cubic yards of material have been removed from 1,382 catch basins during the year at a cost of \$7,642.74.

Sixteen persons have been licensed during the year as drain layers.

Permits have been granted for private drain connections or repairs as follows:

For connection to sanitary sewers.....	86
For connection to combined sewers.....	64
For connection to storm sewers.....	32
For repairs.....	72
	<hr/>
	254

a total number of 182 permits for connections and 72 for repairs.

CLASSIFIED SCHEDULE OF SEWERS AS BUILT TO APRIL 1, 1930

Vitrified and cement.....	116.758 miles
Brick.....	48.592 miles
Miscellaneous materials.....	3.313 miles
Wood.....	2.821 miles
Cement concrete.....	5.572 miles
Iron pipe.....	.314 miles
Total length of sewer conduits constructed to date.....	177.370 miles

METROPOLITAN SEWER TAX

Appropriation.....	\$150,877 16
Sinking fund requirements.....	\$2,781 66
Interest account.....	48,272 36
Maintenance and operation.....	53,214 24
Maturing serial bonds.....	46,608 90
Investigation.....	1,156 00

SEWER CONSTRUCTION ACCOUNTS

Appropriation.....	\$190,409 66
Expended.....	111,700 29
	<hr/>
Balance.....	\$78,709 37

Expended

General expense.....	\$5,388 66
New catch basins.....	4,615 86
Whittemore Avenue, sewer.....	4,494 31
Seagrave Road, sewer.....	4,365 26
Portland Street, sewer.....	3,840 72
New Street, sewer.....	4,517 29
Tannery Brook, sewer.....	15,972 40
Bent Street sewer.....	2,599 15
Moulton Street and private lands, sewer.....	28,128 86
Waterman Road, sewer.....	1,070 21
Kassul Park sewer.....	2,390 53
Winter Street Place, sewer.....	1,190 15
Windsor, Hampshire and Market streets, sewer.....	1,354 56
Riverside Road, sewer.....	4,834 16
Trowbridge Street sewer extension.....	1,502 31
Sherman Street, sewer outlet extension.....	21,225 97
Granite Street, sewer extension.....	1,959 36
University Road, sewer.....	246 75
Chestnut Street, sewer extension.....	570 71
	<hr/>
	\$110,267 22

Work done in 1929 and charged out of this year's appropriation,
as follows:

New catch basin at Fifth and Munroe Streets.....	\$195 87	
Hampshire Street, relief sewer.....	1,200 00	
Portland and Albany Streets, connection.....	25 20	
Sidney Street, manhole.....	12 00	
	<hr/>	\$1,433 07
Total Expenditure.....		\$111,700 29

SEWER MAINTENANCE ACCOUNT

Appropriation.....	\$52,674 00	
Expended.....	52,673 22	
	<hr/>	
Balance.....		\$0 78

Expended

Catch basin repairs.....	\$2,228 88	
Catch basin cleaning.....	7,642 74	
Gates, cleaning and repairing.....	2,515 35	
Cleaning and repairing sumps.....	365 25	
Cleaning and flushing sewers.....	8,120 97	
Manhole repairs.....	747 80	
General expense.....	22,273 90	
Office.....	908 15	
Sewer repairs.....	1,311 35	
Yard and garage expense.....	1,558 83	
	<hr/>	
Total expenditure.....		\$52,673 22

Table Showing the Comparison by Months of the Precipitation at Stony Brook Basin, Hobbs Brook Basin, Concord, and City Hall; Also the Number of Days in Which Rain Fell at City Hall in 1929

Point of Observation	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Stony Brook Basin.....	3.51	3.71	3.15	7.58	2.97	3.97	0.93	2.12	1.21	3.03	3.15	3.90	39.23
Hobbs Brook Basin.....	3.32	3.32	2.85	6.78	3.00	3.48	0.70	3.64	2.11	2.58	2.75	3.83	38.36
Concord.....	3.44	3.90	3.07	6.72	3.63	3.63	1.14	3.50	1.50	2.48	2.90	3.88	39.79
City Hall.....	4.11	4.28	2.98	7.45	2.75	3.63	1.40	3.00	0.82	2.42	3.21	3.89	39.95
Number of days in which rain fell.....	9	9	6	12	9	7	4	5	6	4	9	12	92

Omitted in the Annual Report for the year ending March 31, 1929.

TABLE SHOWING RAINFALL AT STONY BROOK BASIN, WESTON, AT HOBBS BROOK BASIN IN WALTHAM, AT CITY HALL, CAMBRIDGE, AND AT CONCORD, FOR 1923

Day of Month	JANUARY					FEBRUARY				MARCH				APRIL				MAY				JUNE				JULY				AUGUST				SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER				Day of Month
	Stony Brook	Hobbs Brook	City Hall	Concord		S. B.	H. B.	C. H.	Con.	S. B.	H. B.	C. H.	Con.	S. B.		C. H.	Con.	S. B.	H. B.	C. H.	Con.	S. B.	H. B.	C. H.	Con.	S. B.	H. B.	C. H.	Con.	S. B.	H. B.	C. H.	Con.	S. B.	H. B.	C. H.	Con.	S. B.	H. B.	C. H.	Con.									
1	0.22			0.20		0.01	0.05	0.01					T					0.04					0.09	0.69		1.98	0.11	0.11	0.10	0.09											0.11		0.67	1						
2																	T	0.16	0.18	0.10	0.06	0.28										0.11						0.03						2						
3													T		T													0.56	0.50	T	1.23	0.93	1.40	1.27				0.30	0.28	0.30	0.16			T	3					
4				T					T								0.03	0.05	0.01			0.10	T	0.35	0.06	0.70	0.04	0.19	0.20		T						0.11	0.15		0.28	0.34		0.25	0.05	4					
5																			0.90	0.67	0.85	0.71		0.61		T		0.01	0.12	0.10				0.22	0.10	0.10	0.03			0.13	0.10	0.10	0.10	5						
6																			0.33	0.38	0.30	0.50	0.79	0.16	0.75	0.52	0.72				0.09		T			0.17		0.03	0.15	0.05					6					
7				0.03						0.01			0.02				0.04		T	0.15	0.06							0.24	0.35	0.21		0.01							0.10		0.07	0.27			7					
8			0.08	0.09	0.63	0.61	0.10	0.82						0.16	0.09	0.10	0.14											0.05										0.37	0.26	0.32	0.33	0.42	0.18	0.75	0.13	8				
9	0.10	0.09	0.02		0.45	0.45	0.90	0.23			0.40	0.21					T	0.61	0.88	0.58	0.12													0.11	0.09		0.08			0.02		0.40	0.40	0.03	9					
10	0.11	0.09			0.35	0.18	0.30	0.08	0.50	0.51	0.10	0.40										1.13					0.63		0.13														0.47	10						
11						T		T								0.05	0.03						T	0.13			0.11	0.16		0.04																11				
12		0.05		0.13					0.10	0.11		0.16	0.35	0.45	0.45	0.40																	0.04		0.01		0.01									12				
13	0.12	0.09	0.15							T												0.66	0.53	0.48	0.28							0.15	0.01		0.04	0.10	0.07	0.08	T						13					
14	0.04	0.03		0.03			0.20				0.02	0.06	0.49	0.31	0.42	0.23				0.61	0.66	0.80		0.08	0.07	0.20	0.61					0.20		0.20	T										14					
15				T	0.63	0.54	0.38	0.63		0.03							T																													15				
16	0.26	0.22		0.25				T																									0.05	0.03		T										16				
17																																															17			
18						0.55	0.47	0.80	0.78	0.56	0.53	0.61	0.52					0.37	0.12	0.20							0.41	0.25	0.32	0.16	0.15	0.05		0.02	0.40	0.38	0.20	0.06	0.06	0.06	0.06	0.24			0.08	18				
19	0.59	0.60	0.30	0.03	0.28	0.22		T					0.26	0.30	0.35	0.17	0.28	0.30	0.32	1.66	1.25	2.10	1.13	0.38	0.33	0.32	0.08				0.14		0.05	1.00	0.74	1.28	0.68	1.60		0.06	0.12	0.15					19			
20			0.30	0.52													1.09	1.30	0.61	0.57	0.72	0.20	0.49	0.48	0.57		0.52					2.25	2.18	1.10	1.45			0.10	0.33	0.21	0.21		0.07		0.18	0.20	0.18	20		
21																			0.01	0.09	0.10		T															0.51								21				
22						0.22				0.17	0.17		0.12	0.83	0.73	1.30	1.11				0.05			0.08	0.83	0.68	1.10	0.74											0.15	0.19		0.12					22			
23						0.47		0.75					0.96	0.94	0.40	0.37				0.12		0.06					0.26					T			T	2.25	1.81	1.55	1.20			0.10					23			
24			0.10	1.02											0.01	0.30	0.93	0.29	0.58	0.20	0.04	0.02		0.06						0.01	0.07	0.12		0.13				0.52		0.08	T					24				
25	1.00	0.99	0.70	T																0.03	0.03										0.20	0.33			0.10		0.02		0.01		0.06		0.12			25				
26									0.03								0.40	0.43	0.30				T				1.10	1.05	0.40	0.98	0.60	0.52	0.50	0.40	0.15		0.05	T									26			
27		0.11	0.10	0.03				T											0.18		0.17		0.07				T	0.15	0.18					0.12											0.35	T	27			
28	0.18	0.02	0.23	0.12	0.63		0.35						1.22	0.88	1.45	1.32	0.27			0.43	0.11	0.02		T	0.13	0.09	0.07	0.43				T												1.44	1.15	0.90	1.24	28		
29								T					0.22	0.47		0.12									0.70	0.39	0.68	0.33	0.36	0.46																		29		
30										0.17	0.20	0.18	0.04	0.02		0.10	0.02																															30		
31				T					0.28																			0.39	0.73		0.31																		31	
Total	2.62	2.29	1.98	2.45	3.52	3.17	3.08	3.30	1.64	1.53	1.33	1.67	5.13	4.85	4.97	4.89	2.79	3.04	2.48	6.01	5.65	5.83	5.38	4.43	4.25	3.62	5.46	3.83	3.38	2.43	2.59	4.65	4.19	4.30	4.09	4.56	3.52	3.68	3.01	2.07	2.23	1.77	1.59	2.64	2.61	3.15	3.19	Total		

For 1928 Table see preceding page.

TABLE SHOWING RAINFALL AT STONY BROOK BASIN, WESTON, AT HOBBS BROOK BASIN IN WALTHAM, AT CITY HALL, CAMBRIDGE, AND AT CONCORD, FOR 1929

Day of Month	JANUARY					FEBRUARY				MARCH				APRIL				MAY				JUNE				JULY				AUGUST				SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER				Day of Month	
	Stony Brook	Hobbs Brook	City Hall	Concord		S. B.	H. B.	C. H.	Con.	S. B.	H. B.	C. H.	Con.	S. B.	H. B.	C. H.	Con.	S. B.	H. B.	C. H.	Con.	S. B.	H. B.	C. H.	Con.	S. B.	H. B.	C. H.	Con.	S. B.	H. B.	C. H.	Con.	S. B.	H. B.	C. H.	Con.	S. B.	H. B.	C. H.	Con.										
1	0.62	0.55	0.60	0.47	0.16			0.10	0.31	0.20			0.02	0.17	0.05	0.10	0.04									0.03	1.10		0.90					0.20	0.19	0.20		0.10	T	0.10	0.11					1					
2				0.13					T	0.20	0.30	0.55	0.02							0.10								0.40				2.30	1.91	1.90	1.04	0.03	0.05			0.58	0.54	0.52	0.49		2						
3										0.29			0.32					0.37	0	0.35	0.66		0.02		0.01		T	0.76	0.87	0.45	T				0.98	0.76	0.71	0.85	0.64				0.02		3						
4											0.30	1.05	T	0.16	0.13	0.20	0.02					0.05		0.08					1.17							0.10				0.03	0.04					4					
5										1.32	1.05	0.40	0.67	0.09	0.09		0.07	0.04	0		0.06				0.02	0.02			T	0.03	0.04		T												5						
6	0.62	0.56	0.95	0.63	0.76	0.66	0.20	T	0.06	0.07			0.65			0.10	0.07			0.05			T	T	0.15	0.02			0.07	0.03	0.10	0.08														6					
7	0.36	0.20		0.01	0.50	0.54	1.00	1.33			0.04		0.11					0.48	0		0.59		T	T	T				0.17	0.11	0.10	0.07	0.14	0.14	0.02	0.14					0.10					7					
8														0.11	0.14												T			0.07	0.04		T						0.16	0.15	0.06	0.16			8						
9								0.01					T		0.01		0.15			0.45								0.22	0.10	0.05	0.10	0.29	0.26	0.20	0.47		0.05	0.03		0.05			0.03	0.06			9				
10	0.25	0.26	0.41	0.44	0.20	0.16		0.19					0.38	0.30	0.40	0.40								0.02	T							0.03														10					
11	0.24	0.13									T	0.05	T																		0.04										T		T	0.03			11				
12	0.22	0.19	0.15	0.18										0.85	0.80	1.10	0.50	0.07	0		T						0.24	0.17		0.20										0.11	0.11						12				
13		0.07	0.10	0.10						0.31	0.24				0.02		0.33											0.01			T		0.05		0.06	0.02	T		0.02			0.20	0.18	0.36	0.19			13			
14	0.02	0.29				0.04	0.27	0.01	0.50	0.51	0.65	0.80					T	0.14	0		0.05	0.07	0.01		0.89	0.28	0.18	0.10	0.20		0.46	0.31	1.10	0.30	0.28				0.11	0.08	0.05	0.06			T	T			14		
15	0.45	0.10	0.65	0.26				0.06	0.05	0.07			0.02					0.07		0.15	0.24	0.60	0.35	0.28	0.01						T								0.04	0.38	0.42	0.38			T				15		
16											T		0.06	2.49	2.30	2.60	1.71	0.06		0.05	0.03																											16			
17	0.27	0.27	0.35	0.44										0.25	0.17	0.25	0.37													0.06	0.18	0.02	0.25						0.06	0.75	0.86	0.18		0.49	0.45	0.52	0.39			17	
18				0.22											T		0.08								T															0.66	0.46	1.20	1.39	0.69	0.78	0.82	0.44			18	
19				T	0.35	0.35	0.25	T									T	0.92	1	0.85	1.03	0.08	0.19	0.40	0.03	0.20	0.08	0.75	0.38	0.25	0.21	0.45	0.33										T	0.50	0.46	0.30	0.54			19	
20																0.45	0.13	0.06	0		0.05								0.06	0.08												T		0.10	0.34			20			
21					0.76	0.48	1.10	0.53										1.25	1.22	1.00	1.39	0.46	0	0.40	0.64															0.12	0.10	0.18	0.13						21		
22		T									0.07	0.09		0.01	0.44	0.49	0.20	0.30																															22		
23				0.08								0.01	0.28	0.21	0.12	0.05													0.50	0.18	1.65	T													T		0.30	0.10			23
24																		0.30	0	0.35	0.02	1.49	1.53	0.90	0.81			T			0.09										0.09	0.06	0.20	T	0.60	0.57	0.20	0.76			24
25	0.46	0.50	0.70	0.44							0.15	0.13		0.04	0.47	0.33	0.25	0.07								0.43	0.40	0.40	0.52														0.10						25		
26				0.02	0.56	0.86	0.96	0.76			0.01		0.12				0.31													0.06	0.92		0.21																26		
27																																																		27	
28																																																		28	
29																																																		29	
30				T																																														30	
31		0.20	0.20	0.02																																														31	
Total	3.51	3.32	4.11	3.44	3.71	3.32	4.28	3.90	3.15	2.85	2.98	3.07	7.58	6.78	7.45	6.72	2.97	3	2.75	3.63	3.97	3.48	3.63	3.63	0.93	0.70	1.40	1.14	2.12	3.64	3.00	3.50	1.21	2.11	0.82	1.50	3.03	2.58	2.42	2.48	3.15	2.75	3.21	2.90	3.90	3.83	3.89	3.88	Total		

Water wasted over Stony Brook dam during the year as follows:

1929	Gallons
January.....	45,617,000
February.....	86,488,000
March.....	1,026,463,000
April.....	1,298,242,000
May.....	488,262,000
June.....	.....
July.....	.....
August.....	.....
September.....	.....
October.....	.....
November.....	.....
December.....	.....

The total amount of water passing the dam during the year 1929 was 2,945,072,000 gallons.

The total consumption of water during the year 1929 was 4,729,269,480 gallons.

The Engineering Department is organized as follows:

City Engineer

LEWIS M. HASTINGS

Deputy City Engineer

G. FRANK HOOKER

Superintendent of Sewers

THOMAS P. O'NEILL

Clerk and Stenographer

GENEVIEVE G. HANNON

Assistants

RAY L. COOLIDGE, Assistant Engineer and Office Assistant

EDGAR W. DAVIS, Assistant Engineer in charge of street and sewer work

DONALD J. REARDON, Assistant Engineer and Office Assistant

EDWARD SMITH, Assistant Engineer and Office Assistant

WILLIAM H. MCGINNESS, Transitman and Office Assistant.

Transitman

JOSEPH P. CARNEY

Rodmen

J. DONNELL SULLIVAN

JOHN A. ALTIMAS

Respectfully submitted,

L. M. HASTINGS,
City Engineer.

REPORT OF BOARD OF APPEAL

The Board of Appeal presents herewith its report covering period January 1, 1929 to December 31, 1929.

During the year ending December 31, 1929, the Board of Appeal held 33 public hearings and had presented for its consideration 79 cases. These cases may be classified as follows:

Cases involving alteration to existing buildings.....	5
Cases involving additions to existing buildings.....	11
Cases involving occupation of existing buildings.....	18
Cases involving new buildings.....	45
Total.....	<hr/> 79

In the above-mentioned cases modifications of the Zoning Law and Building Code were sought under the following:

Garages for more than two cars under Section 15.....	4
Side yards.....	1
Rear yards.....	7
Setbacks.....	2
Height.....	3
Type of construction.....	2
Occupancy and use.....	18
Use of premises.....	2
Concurrent action.....	1
Appeals from the decision of the Superintendent on interpretation of the building code.....	5
Business buildings in residence district.....	18
Garage for more than two cars under Chapter 133.....	16
Total.....	<hr/> 79

A summary of the decisions rendered by the Board on the above cases is as follows:

Granted.....	55
Denied.....	19
Withdrawn.....	2
Dismissed.....	0
Continued until January, 1930.....	3
Total.....	<hr/> 79

One case came before this Board which merits special attention. Mr. John J. Shine appealed from the decision of the Superintendent refusing a permit for a garage to be operated in connec-

tion with a proposed hotel in Arsenal Square. At the public hearing a good deal of opposition was developed to the appeal but it seemed to the Board that the real question at issue was lost sight of by the opponents, namely, that it was not a question of hotel so much as a question of whether or not a garage was properly a function of a hotel and whether or not it would not be an advantage to the City to have the garage to diminish in some degree the parking of cars on the street. Our decision was rendered in favor of the appellant on the ground that a garage was properly a function of a hotel and that the prohibition against garages for more than two cars in a residence district should properly be construed in Cambridge, as it is construed in Boston, as referring to commercial garages with repair facilities and storage of oil, which was not the case in this instance, and we accordingly granted the appeal. Thereupon an adjoining neighbor took the case to the Supreme Court. A decision of a single judge sustained the action of the Board. Thereupon the case was carried to the full bench and after considerable delay the Board learned that the Court decided not on the merits of the case but held that the appeal should have been made under provisions of Section 15 of the Zoning Ordinance which calls for the written assent of the owners of adjoining property. The appeal was not made to this Board under that section but under the general provisions of the zoning ordinance giving the Board the right to act on any appeal from the decision of the Superintendent, and this Board is of the opinion that the decision of the Court was not in any wise either for or against the proposed garage but was simply deciding on questions of procedure. We would say incidentally that in the twenty-two years since this Board was in existence, there have been only two cases carried to the courts and the Shine case is the only one which has been decided against us.

We wish to renew our recommendations of previous years that the depth of the business zone from principal streets be made 150 feet instead of 100 feet, as at present, in order to obviate the constant trouble that business requires more than 100 feet in most cases.

The Board is aware that there is pending before the city government a proposed ordinance which requires that all builders constructing buildings in the City be licensed mechanics. The Board is of the opinion and in so far as it may be within its power

recommends from its experience in building matters that such an ordinance be enacted as safe building and the protection of home purchasers require the enactment of such an ordinance.

C. H. BLACKALL, *Chairman*,
MARTIN W. RYAN,
GEORGE A. McLAUGHLIN.

REPORT OF THE BOARD OF PARK COMMISSIONERS

Cambridge, Mass., March 31, 1930.

To the Honorable City Council:

The Board of Park Commissioners has the honor to submit its thirty-seventh annual report for the fiscal year ending March 31, 1930; which contains the reports of the General Superintendent of Parks and Superintendent of Recreation.

Respectfully submitted,

JEREMIAH J. COUGHLAN, *Chairman*,
SAMUEL W. PILL,
WAYLAND M. MINOT,
JOHN B. DORE,
HELEN C. ALMY,
CARROLL W. DOTEN,
LEO J. BREAU,
MICHAEL F. SCANNELL,
JESSIE W. BROOKS,

Board of Park Commissioners.

REPORT OF THE GENERAL SUPERINTENDENT OF PARKS

To the Board of Park Commissioners:

It is the honor of the writer to submit to you his twenty-third annual report covering the financial year beginning April 1, 1929 and ending March 31, 1930.

CAMBRIDGE COMMON

During a severe storm on April 16 the Memorial Flagpole, originally erected by the Daughters of the Revolution, was blown down. Investigation showed that the pole broke at the top of the base where it was badly decayed. The pole was of Oregon pine, 90 feet high, 24 inches wide at the base, tapering to 11 inches at the top, and was set on a foundation of concrete 30 inches deep. The monument was built around the pole to a height of 14 feet, 6 inches above and 6 feet, 9 inches below the ground. Fortunately, no damage was done to any person or property, inasmuch as the pole fell across the walls of the subway entrance.

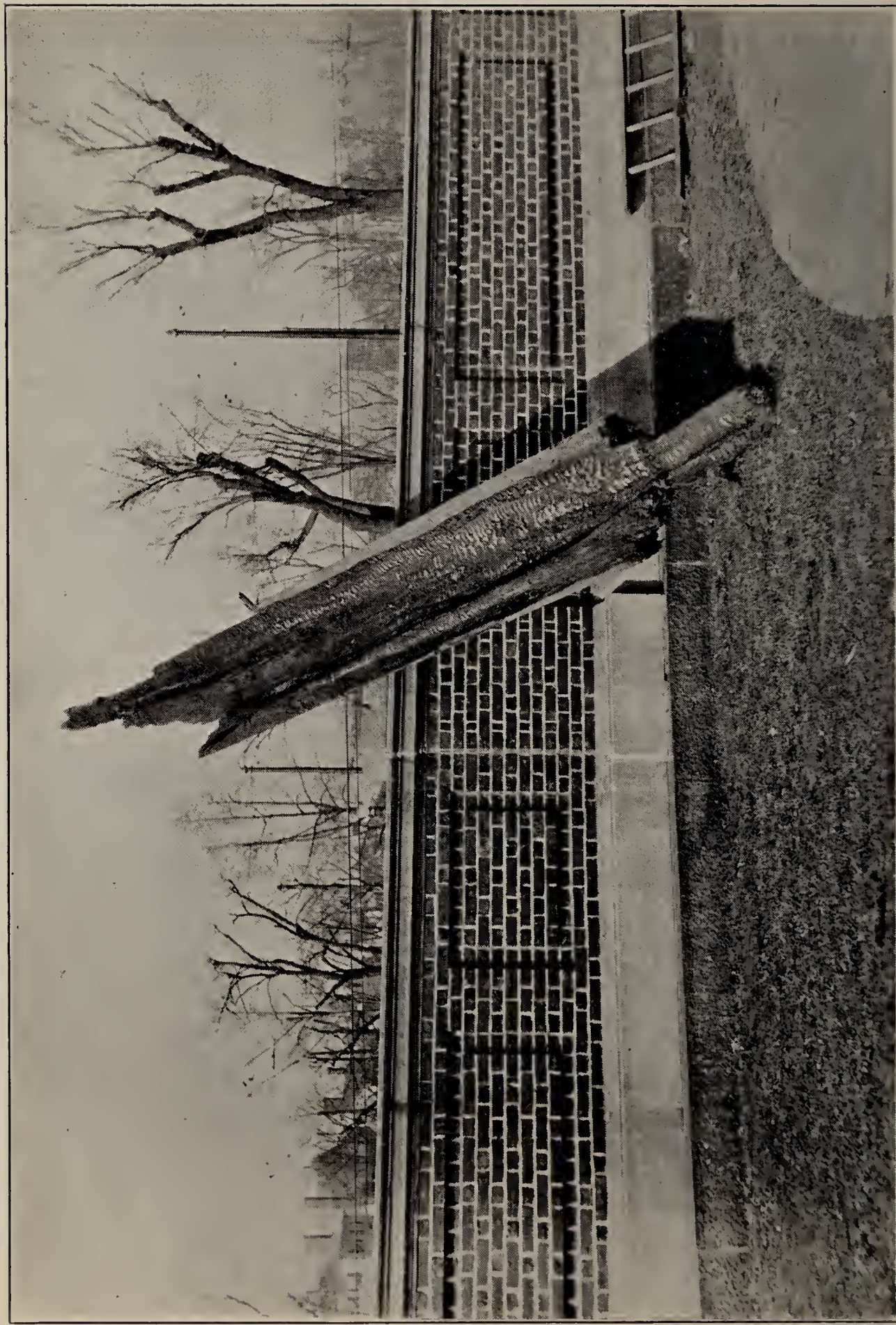
Before replacing the pole a very careful study of the problem of removing the butt was made, and based on the advice of experts on concrete construction from Massachusetts Institute of Technology and the Charlestown Navy Yard, it was decided that, with the means at command, a contractor could do the work more satisfactorily than the Department. It is to be noted that even the contractor who originally erected the monument could give no definite solution of the problem.

Accordingly, a contract was entered into with Daniel Marr & Son for the removal of the butt and installation of a new flagpole of the same kind and construction as the original one, for the sum of \$1,550; this being the lowest of two bids received.

To begin with, considerable delay was encountered in ordering a new pole, as it was necessary to await shipment from Oregon. The contractor viewed the situation thoroughly and believed it would be possible to bore several holes in the 21-foot butt remaining in the base, and then gradually break it up so that it could be drawn out. A 20-foot ship's auger was used, but with no success. Various kinds of acid were then applied in an endeavor to burn the wood, but this method was likewise unsuccessful. A tunnel was then made under the concrete base in an effort to draw the



NEW MEMORIAL FLAGSTAFF



SHOWING STUMP TAKEN OUT OF BASE OF MEMORIAL FLAGSTAFF

butt down through the base and cut it off a few feet at a time. A hole 10 feet deep was dug and from that the tunnel ran under the base past the center. It was then discovered that the visible part of the concrete base rested on a much larger foundation of concrete, over two feet thick, and it was necessary to penetrate through this before it was possible to get at the butt of the pole. Accordingly, in preference to removing the pole in sections as contemplated, the contractor bored a 10-inch hole with a power drill through the center of the concrete, thus reaching the bottom of the pole. A torch was then applied and the center burned out, so that it was finally possible to draw out the pole from the top.

The new flagpole has been installed. It is 90 feet high and approximately 22 inches in circumference, thus making the pole two inches smaller than the opening. The space of two inches between the pole and the base has been filled in with sand and thoroughly tamped, so that the pole should keep in position, and if in the future it should become necessary to remove it for any reason no difficulty whatever would be experienced.

Inasmuch as this work was performed under contract, in view of the endless difficulties encountered in connection therewith, it is apparent that an appreciable loss was uncomplainingly borne by the contractor, of which the City was completely relieved.

The bronze emblem of the American eagle on top of the flagpole which was badly damaged when the pole fell, was repaired and replaced. The usual work of maintenance was carried on, three men being employed during the summer season. Sixteen new squares of granolithic blocks were laid to replace those which had become broken and therefore dangerous. The fifty American elm trees planted last year are thriving well and growing rapidly. Another permanent Christmas tree was planted to replace the one planted last year which died.

CAMBRIDGE FIELD

The experience of last year seemed to warrant using calcium chloride on the playfield in an endeavor to lay the dust, and while this year it proved fairly satisfactory it was necessary before the season was over to also cover it with an application of oil.

The field was levelled and rolled a number of times, and marked with lime in season for baseball and football. Iron stakes

were driven to hold ropes and the center of the field roped off for sports.

The shrubbery beds were respaded and pruned, the grass cared for, the broken fence stakes and wires repaired, rubbish continually removed, and the usual work of maintenance was carried on.

Inasmuch as the Water Board forbade using water, due to the scarcity of same, no flooding was done. However, rain water had been saved and this supplied sufficient for some skating so that it was enjoyed to a certain extent.

An underground lighting conduit was laid in the field so that all lights on the field are now controlled from the building — a decided improvement at this location. Frames for swings were freshly painted, as well as the back stop for baseball.

Considerable repairs were necessary to the building. In the men's dressing rooms, the walls, ceilings, window sills, pipes and lockers were washed, sandpapered and painted. In the shower rooms, the ceiling, partitions and pipes were painted, and the woodwork in the basement and hallways were cleaned and varnished with a special preparation. In both lavatories, as well as the office, the walls and ceilings were washed and painted, the woodwork cleaned and varnished, and the radiators and pipes bronzed. Repairs were made to the hot water heater and it was covered with asbestos. Considerable minor plumbing repairs were necessary. The Christmas tree planted last year did not live and it is believed that hereafter it will be more satisfactory to use a temporary one for the occasion.

JOHN J. AHERN FIELD

It was necessary to rebuild approximately one hundred feet of the old bleachers at this location, as the under-pinning and up-rights, as well as the seating planks, had almost entirely rotted and were decidedly unsafe for further use. The cost of lumber expended for this work was \$347.90. The swings and frames were repaired. The field was oiled and rolled, and some skating provided from rain water stored.

RINDGE FIELD

The underground conduit purchased last year was laid and connected with the arc lights on the field. Five new poles carry-

ing 200-watt lamps each were installed on the walks between the building and Rindge Avenue and connected by underground cable with the building. Two time clocks have been intalled in the building for the regulation of these lights.

A new 57-foot steel flagpole was erected on the lawn in front of the building and makes a good showing. Considerable repairs were made on the bleachers; 100 feet or more of the sills and some of the uprights being decayed.

Two hundred ninety-four yards of loam and 242 yards of sub-soil were purchased for grading purposes, but the limited amount of appropriation for this purpose curtailed purchasing the amount needed. It was spread on the slope running parallel with the drive way and takes care of, to a certain extent, only a small portion of the part which sorely needs attention.

It was necessary to place thirty-six iron grilles over the windows on the first story of the building to prevent further destruction of glass and entrance of building by the boys frequenting this field. The walls in the ladies' and men's recreation rooms were freshly painted and the floors cleaned and oiled. Minor plumbing repairs were made. A new electric control for the hot water system was purchased; also one hundred eighty chairs for the hall and one chair for the office was purchased from the State Reformatory.

Basket ball practice was enjoyed by many adults each day, about thirty-five permits were issued.

The swings were repaired and slides were erected. Although the ball field was again levelled, rolled and oiled, it cannot be considered in good condition until it is resurfaced, as previously recommended. Over two years have elapsed since the first request was made for an appropriation sufficient to allow this improvement, and it is earnestly hoped that it may be forthcoming this year to bring this field up to standard.

RUSSELL FIELD

For the past several years, request has been made for an appropriation for erection of concrete bleachers to replace the present wooden ones which call for repairs constantly.

The appropriation was not granted with the result that it was this year again necessary to purchase twelve thousand feet of lumber for repair purposes. It is earnestly believed that erec-

tion of the concrete bleachers would solve this difficult problem and that the amount expended in the end would be materially less than that spent each year on wooden ones.

The posts supporting the fence at this field have been gradually working out of line and during the past year two were blown over and had to be reset. In order to straighten the posts, three hundred and seventy-five yards of gravel were purchased; a two-foot hole was dug around each post and filled with gravel and thoroughly tamped. An embankment of gravel, two feet deep and four feet wide was then built the entire length of the fence to serve as bracing for the posts. The balance of the area under the bleachers will require considerable filling.

Small plumbing repairs were made and routine work was performed in the building and on the field.

A life line was placed across the pond known as "Jerry's Pit" during the summer months, while supervision was given by the department.

RUSSELL E. HOYT FIELD

Early in May a contract was entered into with Thomas Mulcare and Co. for the erection of 300 lineal feet of bleachers, at a cost of \$2,930.20, the lowest of two bids received. Two hundred feet were erected on the southerly side and 100 feet on the westerly side joining those already erected and making 200 feet on each side of the field. The rear of the new bleachers were boarded in for sanitary purposes.

In addition to the above mentioned contract, the new bleachers were painted and 100 feet of the old bleachers were repaired and boarded in, by the men in the department. The lumber used for the boarding in of the bleachers was that discarded at Russell Field.

An extension of 42 feet was made to the present chain linked fence to protect the adjoining property, as the neighbors were constantly annoyed by having windows broken. The swings were repaired. The walls and ceilings in the men's shower room were painted and minor plumbing and heating repairs were necessary throughout the building.

The field was oiled and rolled and marked for various sports. Goal posts were erected for football. The basket ball court in

shelter was used continuously for practice during afternoons and evenings.

BROADWAY COMMON

The top mast on the flagpole was badly decayed and had to be replaced. This necessitated again painting the entire pole. The customary maintenance work was carried on throughout the year. The bare spots in the lawns were spaded, seeded and rolled; the grass was cut, shrubs pruned and the walks cleared of snow during the winter months. The wire fences were constantly repaired.

Although considerable time and money is being constantly expended year after year at this location, the common is not in a satisfactory condition. Without the necessary police protection, already many times requested, it is plainly seen that the efforts being constantly expended here are of little or no avail. Not only are the children who frequent the playground destructive, but young men around the ages of sixteen and eighteen appear to have no respect whatsoever for law or order, and much less for the appearance and care of the grounds.

FRESH POND PLAYGROUND

The services of one man were required at this playground during the summer season. The field was rolled several times, and marked for the various sports. The grass was cared for. Both the toboggan slides were set up and lighted during the winter season. Although the hockey rink was erected as usual, it was not possible to use it, because of the scarcity of water. The swings, slides and other apparatus were repaired.

WARD 10 PLAYGROUND

Although considerable grading was done last year on the boundary line of the westerly side of this field, it still requires further attention, since it continues to settle. Considerable work will have to be done to the entire field before it can be considered in proper shape. It would require approximately five hundred yards of loam to level it.

During the past year it was necessary to build a small embankment to keep the rain water from destroying adjoining property. The swings were repaired and slides erected. The

routine work here required the constant employment of one man during the summer months.

FORT WASHINGTON

The shrubbery beds were spaded and trimmed and the grass cut, as usual. The flagpole was painted and new halliards replaced.

MERRILL SCHOOL YARD

The grounds were rolled and oiled and cleaned a number of times. The swings were repaired.

CORPORAL BURNS PLAYGROUND

On account of the extensive repairs made here last year, it was unnecessary to do any repairing. The grounds were cleaned, oiled and rolled; swings were repaired and slides were erected. Some painting was done in the men's lavatory, and minor plumbing repairs were made. The building is open to the public from 1 p.m. to 10 p.m. daily, and from 7 a.m. to 11 a.m. on Sundays. A caretaker and a matron are constantly employed. The building also accommodated many adults during afternoon and evening practising basket ball.

CITY HALL GROUNDS

The grounds having been spaded and fertilizer applied, new seed was sown and the grounds rolled. The results were good until the fall when weeds began to show through the grass. If it were possible to retain one man to give these grounds constant care during the summer months, much better results might be obtained. It was necessary to replace twenty-eight shrubs in various beds.

DANA, HASTINGS AND WINTHROP SQUARES

The grounds surrounding these squares received the usual care and attention; the grass was cut, the shrubbery beds trimmed, and the walks cleared of snow.

PARK AT RIVER AND PLEASANT STREETS

A chain link fence twenty-four inches high was erected around the above-mentioned lot at a cost of \$213.44. This piece of land was a gift to the City and the heirs of the donor were very anxious to have it given some attention.

LONGFELLOW PARK

The usual work of maintenance was carried on at this location; the grass was cut, the trees sprayed and pruned, the shrubbery beds trimmed and the walks cleared.

PUBLIC LIBRARY GROUNDS

One man was engaged constantly in caring for the lawns, shrubbery beds and walks, etc.

LOWELL SCHOOL GROUNDS

Approximately seventy-five feet of chain link fence were erected on the northerly side of this area on account of demand of adjoining property owners for protection. There still remains about one hundred feet yet to be fenced. However, as this is a dividing fence on school property it will undoubtedly be erected by the School Board. The grounds were cleaned several times during the season. There is no playground apparatus available for this playground, and it is hoped that during the coming year a sufficient appropriation will be forthcoming for the purpose.

GERRY'S LANDING

The boys' house was cleaned and small repairs were made. The voting booth was again erected for use as a bathhouse for girls, and through the courtesy of the Harvard Athletic Association a raft was again obtained and anchored during bathing season.

PEABODY SCHOOL YARD

The grounds at this location were rolled and oiled.

CITY HOME

The grounds surrounding the new Home recently erected for the aged and infirm of the City, were graded during the past year, at the request of His Honor, Mayor Quinn, although this area is not included in the department land.

Plans for this work were made by the City Engineer at an estimated cost of \$7,500. However, the appropriation allowed this department for the work only \$3,500. Naturally, it was not possible to accomplish all that the estimate of \$7,500 provided

for. Nevertheless, under instructions from Mayor Quinn, the work was undertaken and as much done as appropriation allowed.

The following tabulation contains interesting data: 39 tree pits and 8 shrubbery beds were excavated; lawns brought to sub-grade; 1,900 yards of loam were moved and spread over the lawns. A steam shovel was hired to dig, and trucks rented to move the loam which had been left in two enormous piles by the contractor of the building. The cost for this work alone involved over \$600. An item of \$2,652 was expended for labor, and the balance was paid out for miscellaneous items, such as, sub-soil, gasoline, grade stakes, etc.

While a beginning has been made, the fact remains that this area is far from being completed and it will require the balance of the original estimate, approximately \$4,000, to carry out the original plans.

This department will be pleased to complete the work here according to the plans and specifications of the City Engineer, if the request is made and the appropriation provided.

SHADE TREES

Additional progress in the care of public shade trees throughout the City was made during the past year, as will be noted by the following facts: 251 Norway maples were planted in the various streets, about 60 per cent of these were planted at the request of citizens; 146 dead trees and 24 stumps were removed; 4 trees which had become dangerous were also removed; 1,084 trees trimmed; 23 live trees removed, by order of the Board; 346 wire guards replaced.

It is of interest to note that good results have been attained in continuing to prune the trees in a systematic manner. For instance, all trees on the streets from Harvard Square to Prospect Street, between Massachusetts Avenue and Cambridge Street, were thoroughly trimmed. This is a considerable area and greater than it has been possible to cover previously. If the appropriation for this work were larger much more work along these lines could be accomplished.

MOTHS

We are still battling with the oriental moth which made its appearance last year. The section between Magazine and Brook-

line Streets has been infested with this insect and everything possible is being done to get these moths under control. Within another year, it is hoped that greater headway will be gained. The tussock and the satin moths give more or less constant trouble, but it is possible to keep them under control.

The routine work of cutting the webs of the brown tail moths and painting the cluster nests of the gypsy moths was done during the winter months, with good results. All the street trees, as well as those on private property, where requested, were sprayed.

MISCELLANEOUS

A new spraying machine was purchased at a cost of \$335. Miscellaneous items included eighteen 12-foot swings, eighteen 10-foot swings and twelve 8-foot swings were purchased for the various playgrounds. The total number of swings repaired during the past year amounted to 342.

FINANCIAL STATEMENT

Maintenance, Forestry, Personal Service

Amount of appropriation	\$20,063 04
-----------------------------------	-------------

Expended

Employees, temporary and permanent	19,828 05
--	-----------

Balance unexpended	\$234 99
------------------------------	----------

Service Other than Personal

Amount of appropriation	\$314 51
-----------------------------------	----------

Expended

Advertising	\$5 88
Repairs, automobiles and sprayers	148 23
General service	160 40
	<hr/>
	\$314 51

Equipment

Amount of appropriation	\$17 25
-----------------------------------	---------

Expended

Rubber coats	\$17 25
------------------------	---------

Supplies

Amount of appropriation	\$2,664 20
-----------------------------------	------------

Expended

Office	\$8 33
Agricultural, loam, trees, etc.	1,954 63
Gasoline	132 80
Chemicals and disinfectants	290 95
General	277 49
	<hr/>
	\$2,664 20

Maintenance, General, Personal Service

Amount appropriated \$64,696 14

Expended

Permanent and temporary employees 63,430 21

Balance unexpended \$1,265 93

Service Other than Personal

Amount appropriated \$8,581 81

Expended

Printing and binding \$140 87

Postage stamps 9 04

Advertising, newspapers 15 43

Cartage and freight 8 58

Hire of teams 39 20

Lighting shelters 615 87

Lighting parks and playgrounds 979 16

Rent of garage 285 26

Telephone service 248 67

Repairs, autos and trucks 972 22

Testing materials 6 50

Stenographic services 14 70

Auto licenses 4 00

Photographic 6 91

Service not otherwise coded 3,478 27

Laundering towels 1,196 67

Erecting fence, Franklin Street Common 232 00

8,253 35

Balance unexpended \$328 46

Equipment

Amount appropriated \$2,077 30

Expended

Apparatus \$672 98

Electrical 593 32

Furniture 781 60

Medical, first aid kits 29 40

\$2,077 30

Supplies

Amount appropriated \$9,510 99

Expended

Office \$244 77

Spring water and ice 60 27

Fuel 2,699 55

Cleaning, laundry 440 39

Educational 205 00

Agricultural, loam, trees and shrubs 1,452 09

Gasoline, tire, etc. 1,218 94

Chemicals, disinfectants 773 02

Supplies not otherwise coded 2,309 16

Steel fence posts 107 80

\$9,510 99

Materials

Amount appropriated \$2,065 53

Expended

Oil for laying dust \$2,065 53

Special Items

Amounts appropriated \$9,463 76

Expended

Bleachers, Russell E. Hoyt Field \$3,000 00

Grading City Home grounds 3,391 76

Care of injured employee, compensation 583 00

Memorial flag pole, new pole 1,176 00

\$8,150 76

Balance unexpended \$1,313 00

Respectfully,

JOHN F. DONNELLY,
General Superintendent of Parks.

March 31, 1930.

REPORT OF THE SUPERINTENDENT OF RECREATION

To the Board of Park Commissioners:

I respectfully submit herewith the seventh annual report of the Superintendent of Recreation, the report being for the year ending March 31, 1930.

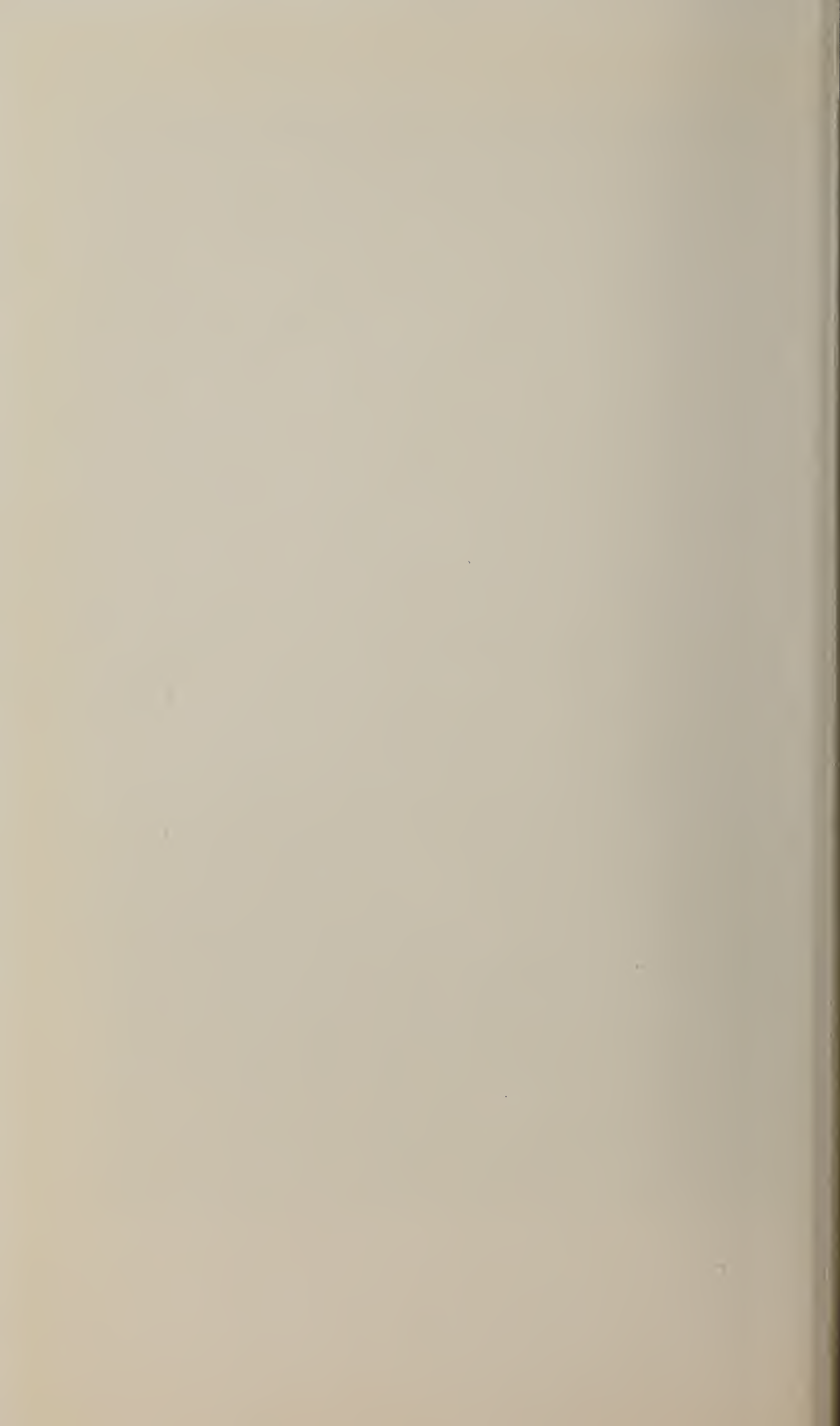
Progress for the past year has been noted in the development of existing undertakings, such as the opening of another recreation center in the new Roberts School building, the securing of additional recreation center facilities at the Russell School, the opening of a new playground for small children in the grounds adjacent to the old Thorndike building, and the organization of municipal basket ball leagues. In addition, can be cited the organization of touch football leagues among the playground children, and the improved equipment secured for the outdoor community entertainments.

Before reporting on the several undertakings of the Recreation Division, I respectfully beg to submit for your consideration a general proposition which your Board may deem worthy of deliberation in the aspect of the potential development of the recreation program in Cambridge.

Since our City can be regarded as having passed the stage of development as regards the building up of its vacant spaces, it would appear that the present is an opportune time for a survey of our recreational needs, particularly as these needs affect the securing of ample play space for the coming generations. Because of the settled conditions in the city, the possibilities for the setting aside of land for playgrounds is limited, and any land taking must be confined to cases of real necessity. I believe, however, that our City possesses in the Parkway along the Charles River, and the reservation around Fresh Pond, assets of almost inestimable value to its citizens. Although I realize that both of these tracts lie beyond the control of the Board of Park Commissioners, it is, nevertheless, possible for the Board to call to the attention of the proper authorities the need for a wider use of these two areas. Within the past year through legislative action, the Metropolitan District Commission was empowered to make available for recreational use by the people a large stretch of land on the Boston side of the Charles River. I am of the opinion that through the concerted effort of the Cambridge members of our State legislature,



BACKYARD PLAYGROUND OF CHARLES JOHNSON, DODGE STREET



the extensive Parkway on the Cambridge side of the river might likewise be rendered more serviceable to the people of our city.

On previous occasions I have referred to the greater use which could be made of the area surrounding Fresh Pond. The possession of an area of this kind within its own boundary limits is a decided asset to a city like Cambridge with its density of population. For the past few years our department has been allowed to use a portion of this large area as a playground and one of the adjoining slopes for the location of its municipal toboggan slides. Both of these uses are but manifestations of other opportunities for utilizing this natural tract. In addition to its being an ideal location for a municipal golf course, this site also has the possibility of being converted into a general community recreation ground which would be accessible to the people from all sections of the City. May I suggest that if your Board is in accord with this possible use of this land, continued efforts be made with the proper branches of the City Government toward securing its use.

PLAYGROUNDS

Supervision was maintained on twenty playgrounds during the past year, the yard adjacent to the old Thorndike School on Sixth Street having been added to the list of those supervised the previous year. Supervision was also resumed at the Lowell School playground upon the completion of the new fence surrounding it.

All of the grounds maintained during the past season will be available for the coming year with the possible exception of the Merrill School playground which will be used as a site for the construction of the proposed Henry W. Longfellow School. The prospective loss of this playground serves to intensify the need for a new and larger playground in the same general vicinity. This need has been apparent for some time, and the Board has given much consideration to it.

I desire to call attention also to the desirability of continued effort to secure for playground purposes a portion of the land adjoining the so-called Cofran's Pit in the upper end of the City. There is need also of more adequate playground space in the general vicinity of the Agassiz School.

As in previous years, the large athletic fields and a few of the other playgrounds were supervised during the spring, summer and fall, while others were under supervision for shorter terms. All

of the grounds were supervised during the summer vacation period from June until September. Twilight and Sunday supervision was maintained on those grounds where permits are issued for athletic contests. In connection with the summer program nearly five hundred inter-playground contests were conducted. These games represented the carrying out of seven league schedules in playground ball, baseball and bat ball. A paddle tennis tournament with approximately three hundred entries and a track meet for boys at Russell Field were among the other features of the summer season.

The customary instruction in handwork, dancing and music was given by supervisors throughout the playground system. All of these three undertakings were combined to good effect in the pageant given at the close of the summer season at Russell Field. "The Pied Piper of Hamelin" was presented on August 28 with a cast comprising large groups from all of the playgrounds in the City.

A new venture in connection with the after-school supervision of playgrounds during the fall months was the organization of touch football leagues among both the older and the younger boys. A regular schedule was arranged for inter-playground competition and the undertaking proved most successful in that it provided participation in the popular game of football without involving the liability to injury.

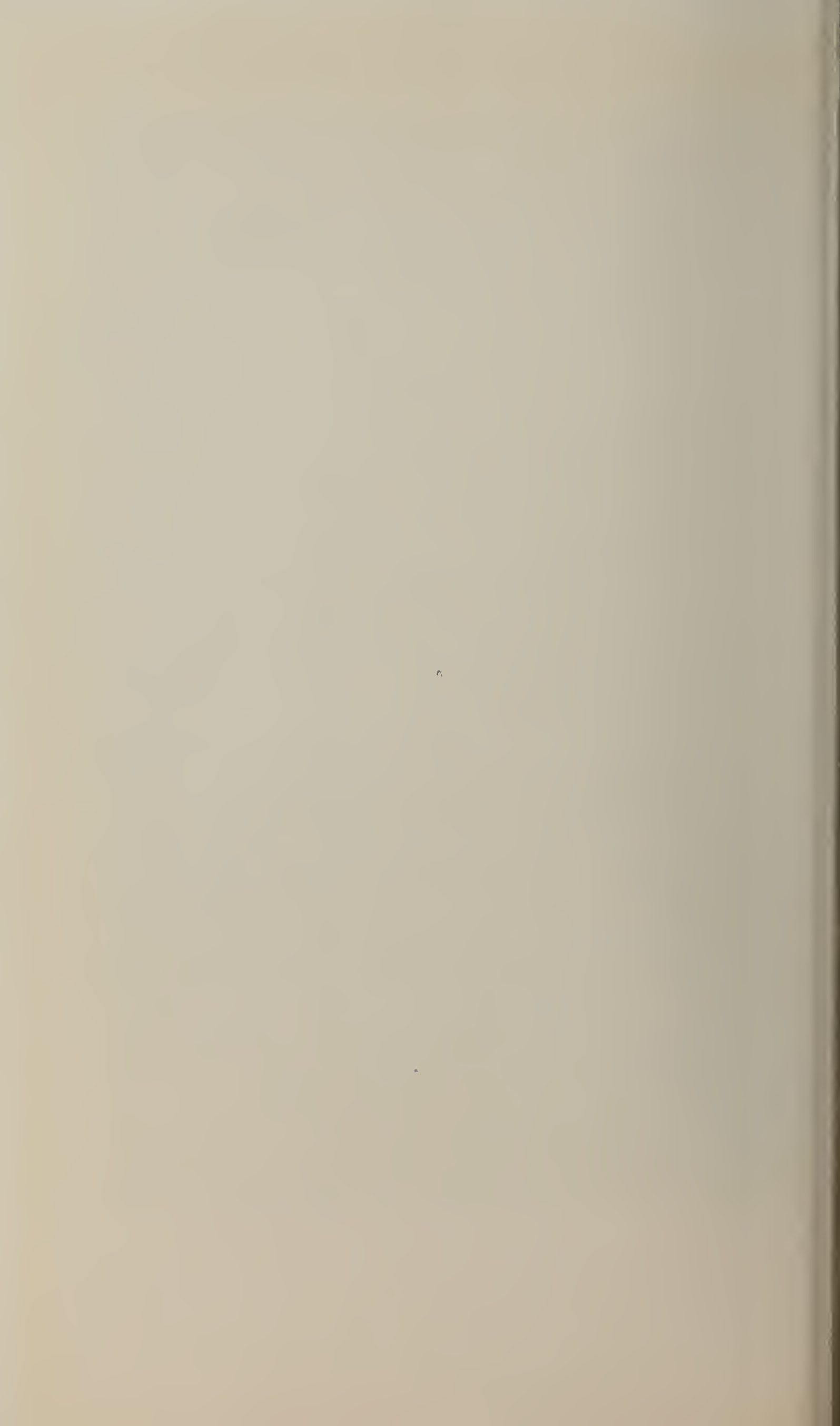
At the time of submitting this report the department has made some progress in the organization of baseball teams representing several of the parochial schools in the City. It is planned by this project to provide competition for the boys of grammar school age who attend the parochial schools, the public school boys being already organized in a similar manner through the medium of the Department of Physical Education in the school system.

RECREATION CENTERS

Centers were conducted from November to April at the Russell E. Hoyt, Rindge Field and Corporal Burns buildings, and the Agassiz, Thorndike, Russell and Roberts School buildings. Through the coöperation of the School Department a portion of the new auditorium at the Roberts School was made available for our department on Monday, Wednesday, and Friday evenings,



BACKYARD PLAYGROUND OF RUSSELL HATCH, 19 FAIRMONT STREET



the new facilities at this building allowing the department to transfer to it the recreation center program which heretofore had been conducted at the Kelley School building. At the Russell School, the department was enabled to provide sessions of the center three evenings a week as contrasted with but one evening per week during the previous season.

Your Board has on several occasions recommended a new recreation building for Cambridge Field. Such a building would be of great value in providing indoor activities of the type now conducted at the other departmental buildings. I recommend that the request for a building at Cambridge Field be kept before the Mayor and the City Council as one of our most urgent needs. A suitable building at Fresh Pond Playground and a smaller one at the Raymond Street Playground are also desirable objectives for future planning by your Board.

BATHING FACILITIES

During the summer of 1929 the department supervised the municipal bathing places at Gerry's Landing and Jerry's Pit. Although obliged to contend with conditions far from ideal for the purpose, both beaches were well patronized.

At the time of submitting this report the Metropolitan District Commission is engaged in extending the Memorial Drive Parkway and it is apparent that the site of the beach at Gerry's Landing will be utilized in the building of the new roadway. It, therefore, appears that if the City is to provide a bathing place along this section of the river, it will be necessary for the State authorities to assign another location for the beach. The convenience and popularity of the beach at Gerry's Landing warrants its continuance and there should be an opportunity to secure better general conditions for the public at the time a new location is granted.

Conditions at Jerry's Pit in North Cambridge are even poorer than at Gerry's Landing. Until we are able to secure proper dressing facilities and sanitary arrangements, the situation at Jerry's Pit will be far from satisfactory.

The wading pools at Cambridge Field and John J. Ahern Playground were used to a large extent during the past summer and the street sprinklers which have proved so popular in the past

were made available for all sections of the City during the warm weather.

WINTER SPORTS

The past winter proved somewhat of a handicap in the promoting of outdoor winter activities. The shortage in the City's water supply caused the Water Board to withdraw its permission for flooding the playgrounds for skating purposes. This situation lessened somewhat the opportunity for the department to supervise skating, although the larger fields were used a number of days as a result of the winter rains. Tobogganing was enjoyed at the Fresh Pond slides on twenty-two days and evenings during the season. Because of the limited number of natural slopes which are available for children's coasting, I am of the opinion that the municipal authorities should make better provision for this exhilarating form of exercise for the children. This provision could be in the form of setting aside supervised coasting streets, or the equipment of practically all our playgrounds with coasting chutes.

SPECIAL ACTIVITIES

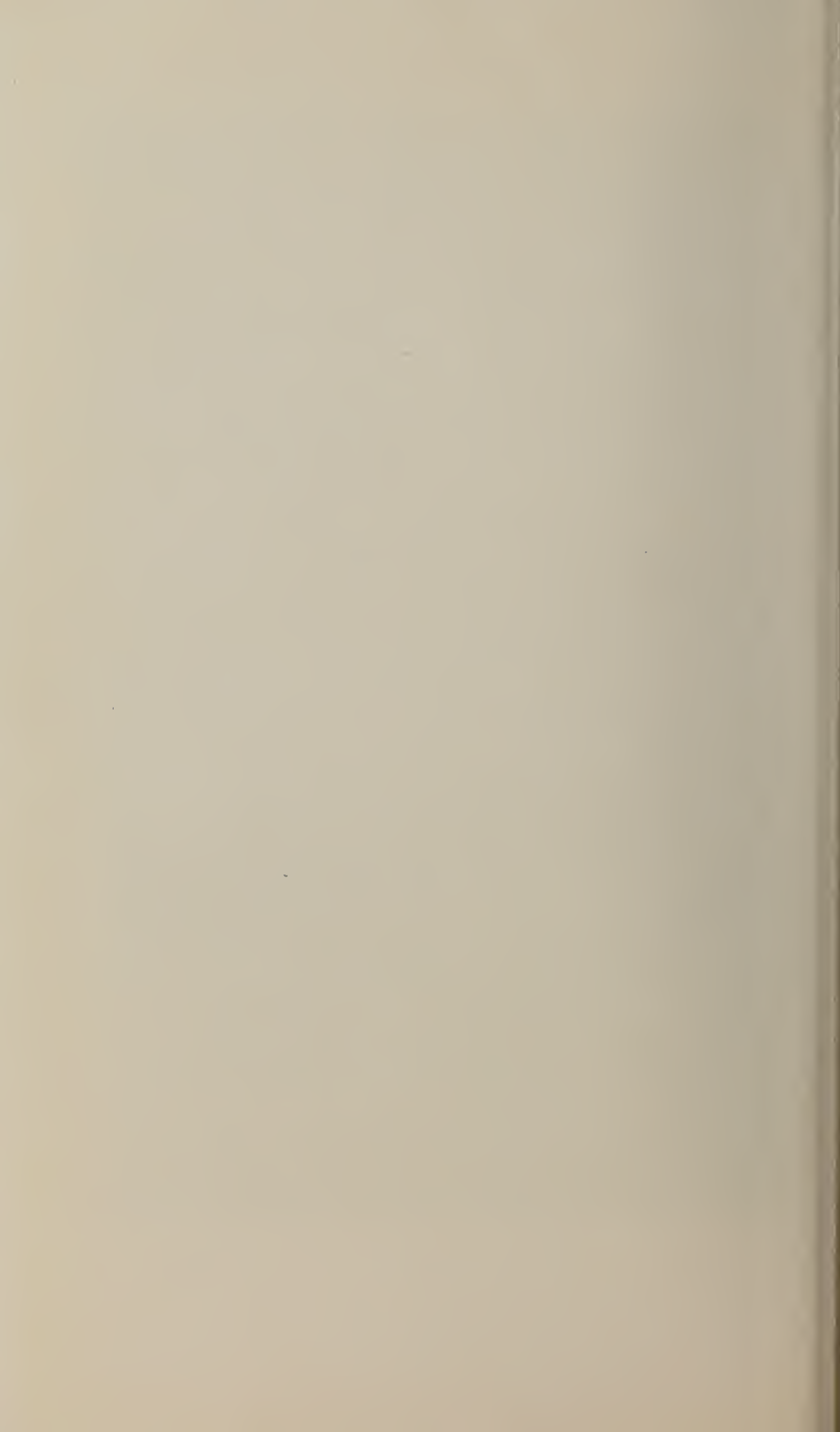
Under the direction of the supervisor of dramatics and dancing, classes were conducted throughout the entire playground organization during the summer season. As a climax to the season, the "Pied Piper of Hamelin" was given in pageant form at Russell Field on August 28, 1929. Classes for the children were also conducted after school hours during the rest of the year and dramatic groups were organized in connection with the recreation centers. The interest in dramatics at the recreation centers continues to grow each season, a situation which would seem to justify the inclusion of stage facilities in the plans for any recreation buildings which may be erected in the future.

Handwork instruction is likewise provided for the children of the summer playgrounds, in connection with the making of costumes for children's entertainments during the year, and at the recreation centers.

Two choral classes were organized in connection with the indoor evening program. These groups composed entirely of adults experienced much enjoyment from their regular class sessions, and at the close of the season presented entertainments in



"THE PIED PIPER" BARGAINS WITH THE MAYOR
Scene from Pageant, August 28, 1929



some of the hospitals and institutions of the City. Choral groups were also organized among the playground children and classes in music were conducted in some of the schoolhouses as part of the department's after-school program.

A group of sixty children were accommodated at the garden plot conducted by the department on Willard Street. The flowers and vegetable products of this garden were again awarded first prize at the annual contest of the Massachusetts Horticultural Society.

A tournament in paddle tennis was conducted during the summer with more than three hundred boys and girls from the playgrounds throughout the City in competition. The semi-final and final rounds of this tournament were held on Cambridge Common and the play of the competitors attracted much interest from the general public. The only tennis courts for adults which are supervised by the City are the three courts at Buckingham Field which are available for the public only during June, July and August, and the two courts at Rindge Field. Because of the increasing popularity of the game, I again recommend that at least one court be provided on each of the larger playgrounds where room is available.

The popularity of the outdoor evening entertainments which have been given by the department for the past few years was increased last season by the use of a new and larger motion picture projector, and the securing of an electric music amplifier. The latter equipment has proved of special value to the department because in addition to its use in connection with the playground entertainments, it has been utilized to provide the accompaniment for the children's dances and to furnish the music for the playground demonstration and the community dances conducted at the recreation centers.

During the months of May and June, a series of seven band concerts was provided by the department on the larger playgrounds, two of the local boys' bands being secured for this purpose at a very moderate rate.

A contest which had as its objective the securing of a larger number of so-called back yard playgrounds, was conducted by the Recreation Division during the months of May and June, 1929. While the total number of contestants was not as large as anticipated, the results of the contest were quite remarkable.

The prizes for the five winning contestants were furnished by the Cambridge League of Women Voters, which organization was instrumental in inaugurating the first contest of this kind during the previous year. I am of the opinion that this undertaking of encouraging and assisting in the laying out of back yard playgrounds is of real value to a city of the type of Cambridge. The congestion of our population and the dangers of traffic make it almost imperative that the very small children be provided with play space close to their homes, and increasing the number of home playgrounds will do much to meet the situation. A most encouraging aspect of the home playground movement is the number of playgrounds which have been provided by home owners within the past year.

Cambridge was again represented in the greater Boston Marble Tournament sponsored by one of the Metropolitan newspapers. Several hundred boys competed on their local playgrounds in elimination contests and the winners met at Cambridge Common to contest for the City championship. John Valenti from the John J. Ahern Playground was the City champion and represented Cambridge at Boston Common in the greater Boston tournament.

A boys' track meet was held at Russell Field on August 7. This annual event has become very popular among the boys and serves as an outlet for their competitive spirit both as individuals and as patrons of their respective playgrounds.

The baseball games and athletic events arranged by the Committee on Celebrations of the City Council on the morning of July 4 were again conducted by the playground directors and assistants at the several playgrounds throughout the City.

Coöperation was extended to the public school athletic league in providing diamonds for the games and practice sessions of that organization. Similar provision was made for the industrial league during the summer on the athletic fields and at the Russell E. Hoyt recreation center for basket ball. On several occasions during the year materials were loaned to industrial and fraternal groups for use at outings conducted by them. A special picnic kit containing basket ball equipment and other materials for competition is now available for use upon application to the department.

With the coöperation of the local Chapter of the American

Red Cross a week's course in life-saving methods was given at the beach at Gerry's Landing, and throughout the summer swimming classes for children were conducted by the life guards on duty. On Saturday, August 31, a series of swimming and diving events was held at Gerry's Landing.

Two municipal basket ball leagues made up of 25 adult teams were organized in connection with the recreation center program. A schedule of the two leagues involved the playing of 114 inter-center basket ball games which furnished keen competition for the contestants and afforded much pleasure for the hundreds of spectators who witnessed the games.

During the summer months there was considerable interest in the game of quoits manifested by the older men, particularly in the East Cambridge district. This interest was encouraged and equipment provided whereby the men were enabled to hold several tournaments during the season.

The boys of the playground organization were again entitled through enrollment in the so-called Knot Hole Gang to visit Braves Field in Boston and witness some of the National League baseball contests.

RECOMMENDATIONS

Securing new beach at Gerry's Landing.

Erection of a recreation building at Cambridge Field.

Securing of large playground area in vicinity of present Merrill School.

Improving for use as a playground the land adjacent to Cofran's Pit.

Effort to secure wider recreational use of parkway along Charles River.

Effort to secure wider recreational use of reservation at Fresh Pond.

Improving bathing facilities at Jerry's Pit.

Obtaining land for playground in general vicinity of Agassiz School.

Establishment of Municipal Golf Course at Fresh Pond.

Providing tennis courts at large playgrounds.

Erection of recreation building at Fresh Pond Playground.

Erection of small recreation building at Raymond Street Playground.

Increasing number of children's coasting places.

ATTENDANCE FIGURES

Summer playgrounds.....	\$361,467
After-school playgrounds.....	406,524
Recreation centers.....	57,125
Children's dancing and dramatic classes.....	9,184
Music classes.....	1,250
Gardens.....	3,497
Bathing beaches.....	76,567
Toboggan slides.....	18,850
Total.....	<u>934,464</u>

PERMITS ISSUED

Baseball.....	533
Football.....	51
Soccer.....	11
Total.....	<u>595</u>

FINANCIAL STATEMENT

April 1, 1929-March 31, 1930

Personal service:

Administrative salaries.....	\$6,290 00
Permanent supervision.....	7,100 00
Part-time supervision.....	25,804 91
Total.....	<u>\$39,194 91</u>

Service other than personal:

Printing and binding.....	\$239 15
Postage.....	35 00
Transportation of persons.....	595 50
Cartage and freight.....	49 65
Light and power.....	18 79
Rentals (including transfer to School Department).....	1,507 94
Motor vehicle repairs.....	123 75
Fees (automobile license).....	2 00
Photographic and motion pictures.....	79 79
Service not otherwise coded.....	660 77
Total.....	<u>\$3,312 34</u>

Equipment:

Apparatus.....	\$1,336 60
Electrical.....	146 54
Furniture and fittings.....	81 34
Educational and recreational.....	19 31
Office.....	30 87
Tools and instruments.....	64 36
Total.....	<u>\$1,679 02</u>

Supplies:

Office.....	\$149 12
Water and ice.....	54 39
Medical.....	84 76
Educational and recreational.....	2,897 57
Motor vehicle.....	173 30
Supplies not otherwise coded.....	275 19

Total.....	\$3,634 33
------------	------------

Incidental expenditures:

Exhibitions, water carnival, pageant, entertainments.....	\$1,088 66
---	------------

Total.....	\$1,088 66
------------	------------

Respectfully submitted,

STEPHEN H. MAHONEY,
Superintendent of Recreation.

April 1, 1930.

BOARD OF PUBLIC WELFARE

Cambridge, Mass., April 1, 1930.

To His Honor the Mayor and the City Council:

The Board of Public Welfare respectfully submit their annual report for the fiscal year ending March 31, 1930.

Unusual demands have been made upon the department during the year because of widespread unemployment. Unemployment presents a serious problem for community thought. It is not caused by the laziness or inefficiency of workmen. It is caused by business depressions, improved machinery, increased efficiency in management, business mergers and reorganizations and other causes of the same nature. National and state groups have studied this problem but have found no solution. There are so many factors entering into it that there is no simple solution for it. It is said that in the last ten years opportunities for employment have decreased at least twelve per cent.

Some of the larger employers of labor have attempted to deal with this problem, notably the Dennison Manufacturing Company and the Procter & Gamble Company. A group of New England business men under the leadership of A. Lincoln Filene have organized to study methods of reducing seasonal business slumps. Perhaps the day is not far distant when the worker who is willing to be employed will have the same measure of protection now accorded to the worker injured in the course of his employment.

The ease with which purchases may be made on the installment plan is another reason for increased expenditures for relief. When player pianos, victrolas, expensive radios and even automobiles (second-hand of course) can be purchased for a small sum down and weekly or monthly payments to follow, we find that numerous families acquire these luxuries with no thought of the inevitable rainy day. No reserve is laid by and when because of unemployment the income ceases, the only recourse is to apply for public relief. No matter what we may think of the conditions

preceding the application there are always children in these families who must be cared for.

Officer John M. Ackerly continues to do excellent work in the investigation and prosecution of cases of non-support and desertion. We desire to call your attention to the need of suitable quarters to house the central office of the Board. At the annual meeting in May, Frank P. Sullivan was elected Chairman of the Board. The Board wish to record their appreciation of the loyalty and faithful service of the personnel of the department under most trying circumstances during the past year.

The cost of maintaining the department is as follow:

	<i>Expenses</i>	<i>Receipts</i>	<i>Net</i>
Outside Aid . . .	\$349,955 43	\$95,646 07	\$254,309 36
City Home	75,890 73	4,073 17	71,817 56
	<hr/>	<hr/>	<hr/>
Totals	\$425,846 16	\$99,719 24	\$326,126 92

The expenses in detail follow.

Repectfully submitted,

FRANK P. SULLIVAN, *Chairman*,
LEOPOLD BARTEL,
BERNARD B. WELCH,
CORINNE M. CONLON,
EDWARD W. TOOMEY.

EXPENDITURES

Outside Aid

Personal Service:

Salaries, permanent employees	\$23,066 00	
Salaries, temporary employees	150 00	
	<hr/>	\$23,216 00

Service Other than Personal:

Printing and binding	\$39 79	
Postage	100 00	
Transportation	1,440 05	
Lighting	32 86	
Rent	277 34	
Telephone	277 58	
Motor vehicle repairs	192 14	
Care of persons	1,804 15	
Fees	6 00	
Burial	267 00	
Conference expenses	550 00	
Miscellaneous	36 51	
	<hr/>	5,023 42

Equipment:

Office	\$344 36	
Wearing apparel	908 18	
	<hr/>	1,252 54

Supplies:

Office	\$504 05	
Food and ice	15,168 14	
Fuel	1,298 39	
Medical	1,223 61	
Toilet	22 54	
Motor vehicle	269 15	
Miscellaneous	8 23	
	<hr/>	18,494 11

Special Items:

Care of dependents	\$210,666 37	
Mothers' Aid	91,302 99	
	<hr/>	301,969 36

Total expense outside aid		<hr/>	\$349,955 43
-------------------------------------	--	-------	--------------

City Home

Personal Service:

Salaries and wages, permanent employees	\$34,482 49	
Salaries and wages, temporary employees	189 00	
	<hr/>	34,671 49

Service Other than Personal:

Postage	\$25 00	
Advertising	38 08	
Transportation	1,450 24	
Lighting	2,828 46	
Telephone	436 51	
Motor vehicle repairs	52 92	
Medical	45 00	
Religious	165 00	
Fees	2 00	
Burial	187 00	
Miscellaneous	511 74	
	<hr/>	5,741 95

PUBLIC WELFARE

241

Equipment:

Furniture and fittings	\$5,282 02	
Medical	193 60	
Wearing apparel	1,136 02	
	<hr/>	\$6,611 64

Supplies:

Office	\$100 08	
Food and ice	18,426 51	
Fuel	4,923 73	
Medical	1,133 97	
Laundry, cleaning, toilet	655 24	
Motor vehicle	201 06	
Disinfectant	213 81	
Tobacco	516 79	
Miscellaneous	1,757 46	
	<hr/>	27,928 65

Special Items:

Cash to inmates	\$937 00	
	<hr/>	937 00

Total Expense City Home		\$75,890 73
-----------------------------------	--	-------------

RECEIPTS

Outside Aid

Cities and Towns:

Temporary aid	\$14,969 84
Mothers' Aid	4,727 95

Commonwealth of Massachusetts:

Temporary aid	26,055 71
Mothers' aid	43,740 25
Sick poor	3,395 08
Burial	40 00
Individuals	2,708 58
Other sources	8 66

	<hr/>	\$95,646 07
--	-------	-------------

City Home

Individuals	\$3,306 76
Other cities and towns	376 28
Commonwealth of Massachusetts	325 00
Other sources	65 13

	<hr/>	\$4,073 17
--	-------	------------

Total receipts		\$99,719 24
--------------------------	--	-------------

REPORT OF THE CITY PHYSICIAN

Cambridge, Mass., March 31, 1930.

To His Honor the Mayor and the City Council:

The report of the City Physician for the twelve months ending March 31, 1930, is hereby rendered:

Cambridge Home for the Aged and Infirm

Number of visits	303
Number of persons attended there	187
Number of deaths	25
Number of patients admitted	123
Cost of medicines, surgical appliances, medical assistance	\$1,120 37

Outside Aid

Number of persons attended for Public Welfare Department	2,097
Number of visits to the same	2,833
Number of persons sent to hospitals for treatment	70
Number of outside deaths	1
Number of outside births	14
Cost of medicines, surgical appliances, medical assistance	\$3,158 42

Departmental

Number of persons attended at police stations	28
Number of visits to the same	28
Number of employees examined for sickness or injuries:	
Police Department	2
Number of visits to the same	2
Number of vaccinations for the School Committee	674
Number of visits to the same	674
Number of City Employees examined for retirement	10
Number of visits to the same	10
Number of candidates waiting for appointment to the Fire Department examined at request of Chief of Fire Department	7
Number of visits to the same	7
Total number of persons having received professional care	3,005
Total number of visits to the same	3,857

In caring for special needs of people under treatment there were:

- 41 persons sent to be fitted for eyeglasses.
- 9 persons sent to be fitted supports for flat feet.
- 1 person sent to be fitted for a glass eye.
- 4 persons sent to have teeth extracted, and sets supplied.
- 12 persons sent to be fitted for surgical belts and elastic stockings.

Many children and some adults were sent to the Cambridge City Hospital to have tonsils and adenoids removed.

I wish to thank all the officials connected with the department for their kind and courteous treatment, and material help.

Respectfully submitted,

WILLIAM G. BROUSSEAU, M.D.,
City Physician.

ANNUAL REPORT OF THE SUPERINTENDENT OF THE CAMBRIDGE HOME FOR THE AGED AND INFIRM

April 24, 1930.

To the Board of Public Welfare:

The annual report for the Home for the twelve months ending March 31, 1930 is hereby respectfully submitted.

	<i>Men</i>	<i>Women</i>	<i>Boys</i>	<i>Girls</i>	<i>Total</i>
Remaining March 31, 1929	78	37	—	—	115
Admissions	71	37	7	4	119
Totals.....	149	74	7	4	234
Discharges.....	55	29	7	4	95
Remaining March 31, 1930	94	45	0	0	139

The average number for the year was 127. The average age was 63 years and 4 months. The lowest for the year was 116, on April 2, 1929; the highest 141, on March 19, 1930.

<i>Age</i>	<i>Groups</i>
15-21	3
20-30	1
30-40	3
40-50	10
50-60	29
60-70	38
70-80	43
80-90	12

ADMISSIONS

Of the one hundred and nineteen admissions, twenty-six were born in Cambridge, twenty-two in Massachusetts and fourteen in other states of the Union, making a total of sixty-two who were born in this country, while fifty-seven were of foreign birth. Of those remaining March 31, 1930, twelve were over eighty years of age; forty-three were over seventy; thirty-nine were over sixty; twenty-seven over fifty; twelve over forty; three over thirty; one over twenty and two under twenty years of age. Ninety-four were over sixty years of age.

DISCHARGES

Of these twenty-five died, that was five less than last year; twenty-five were sent to other institutions; twenty-six to relatives; thirteen to work and six walked out.

DEATHS

Thirteen were men and twelve were women. One man was in the Home for fifteen years, seven months and five days; one woman for twelve years, one month and one day. The shortest time was a man for two days. One was here eight days; one for ten days; one for twelve; one for eighteen and another for nineteen days.

In some cases one must be impressed with the thought that some of these were sent to our Home by the grace of God to prepare for a happy death, as they had neglected their religious duties for many years. The Superintendent personally enrolls the names of all deceased Catholics at the shrine of St. Anne de Beaupre.

Cambridge has reason to be proud of the respect that she pays to her dead who die in our Home. At all our burials a religious service is held; the Catholics having a Requiem Mass and all others an officiating minister. The Superintendent and some intimates of the deceased accompany the remains to the cemetery.

ANNUAL ENTERTAINMENTS

Our Cambridge Home excels all other homes in the Commonwealth in the number of annual entertainments given by its municipal departments and social organizations. This splendid example was set by Mayor Quinn, who on the first day of January always visited the Home to extend his personal greetings to the Home folks and to entertain them with a programme of stars from the various theatres of the City. It is hoped that this splendid example will be followed by all our future chief executives. The Police, Fire and School Departments present splendid entertainments. These safety departments always come laden with tobacco, cakes, candies and ice cream.

The following organizations also present annual entertainments and gifts: the Cambridge and North Cambridge Councils of the Knights of Columbus, Courts La Rabida and Louise of the Catholic Daughters of America and the Ladies' Auxiliary of the Eagles.

A most interesting lecture was given by Rev. William M. MacNair, pastor of the Prospect Street Congregational Church, the subject being his trip to the Holy Land. Miss Bessie O'Keefe, Principal of the Lowell School, gave a delightful illustrated lecture

on the beauties of Ireland. The Ladies' Auxiliary of the Cambridge Lodge of the Colored Elks of the World also entertained.

AMOS 'N ANDY

Sunday, February 12 was the biggest dramatic day in the history of the Home. On that day the most famous of all radio stars appeared in person and brought sunshine into the lives of the old folks. They received the greatest reception ever accorded to any visitors of the Home. Commissioner Welch opened the entertainment and then presented Mayor Richard M. Russell, who welcomed these noted artists to Cambridge. Then followed one of their best acts. They said that they could never forget the greeting and the farewell which they received at the Cambridge Home for the Aged and Infirm. Never have the residents of the Home been so overjoyed. Their coming to the Home was due to the efforts of Commissioner Toomey.

NATIONAL CANDY DAY

Howard H. Fiske, as is his annual custom on the sweetest day of the year, presented each one in the Home with a pound box of his celebrated candies. During the year he has frequently donated five gallons of his excellent ice cream. No business man in our city has been so thoughtful of our aged and infirm as has Mr. Fiske. I trust that he will be repaid one hundred fold for his many kindnesses to our big family.

CAMBRIDGE FIREMEN PRESENT A RADIO

The annual entertainment presented by the Cambridge members of the National Association of Fire Fighters was made a noteworthy event by the presentation of a Kolster Console Radio to the women in the hospital wards of the Home. The presentation was made by Lieut. Edward F. Kelley, of the Lafayette Square Ladder House. The gift was accepted by Mayor Quinn and was placed in the sun parlor of the women's hospital. This wonderful gift enables the old folks to enjoy the best programmes that go on the air. It was a most thoughtful present and is most thoroughly enjoyed.

THE ELKS PRESENT A MASON AND HAMLIN ORGAN

April 30, 1929 was another memorable day in the history of the Home. On that evening the Cambridge Lodge of Elks presented a Mason and Hamlin organ. Exalted Ruler Herbert W. Trohan made the presentation speech and Chairman Bartel made the speech of acceptance. John Hollahan of Beachmont gave an excellent organ recital. Overseer Colgan was the prime mover in this gift. The one who carried it through the Lodge was Past Exalted Ruler Robert Burns, to whom we are indebted for the moving picture outfit and the radio that was in the old home.

HARRY KATZ PRESENTS A RADIO

Harry Katz has been a good friend to our old folks. In the years that have passed he has always installed a radio for the world series baseball games and all the big championship bouts. This year he presented the Home with an Ever-Ready Console Radio which enables us to enjoy the best programmes that come over the air. It is useful at the movie shows and entertains the gathering while awaiting the coming of the entertainers of our various entertainments.

GUESTS OF MANAGER LOUIS NEWMAN

On Sunday, August 4, 1929, all who were able to attend were guests of that most popular of all the Publix Managers, Louis Newman, of the Central Square Theatre. The first movie was a great surprise to them, but on this occasion when they heard for the first time talkies, they were dumbfounded. The splendor of the theatre astonished them while the great organ delighted them. It was a great day.

The big heart of Manager Newman was also shown when he presented me with several books of passes with the "When those are used there will be more waiting for you," so that your old folks can come here at any time to enjoy the big productions at this house. The old folks hope that our citizens will appreciate the kindness to them of Manager Louis Newman.

The Home party were conveyed there in three big busses furnished, at no expense, by Joe Costa. On other occasions he has given the old folks the free use of his busses for rides into the country and to the seashore. He is another good friend to our old folks.

COLUMBUS DAY

The annual visitation, presentation of goodies and entertainment was cared for by the members of Cambridge Council 74 of the Knights of Columbus under the direction of Grand Knight Walter T. Yorke and an efficient committee. They brought candy for the women and tobacco for the men, while all were given oranges, cake and ice cream. The entertainment consisted of Murphy's Irish Minstrels.

ANNUAL PRESENTATION OF TURKEYS

The Copp sisters, Minnie A. and Mae I., for the sixth consecutive year supplied the turkeys for Thanksgiving Day. These words of their letter tell the story: "Kindly accept the enclosed" (a check for \$100) "for the dear old folks under your care. Trust it will be a very happy day for all."

Gifts from individuals bring much more happiness to our old folks than supplies bought by the City. From the individual it is a voluntary offering from sympathetic hearts while from the City it is an obligation. If our citizens realized this great truth much increased happiness would be brought to the old folks.

DOLLAR DAY

The day before Christmas is the dollar day at the Home. On that day Frank P. Sullivan, Chairman of the Board, extended the greetings of the Board and presented each one in the Home with a new dollar bill. To them this is the great event of the year. There is no national, state or municipal institution in which this consideration is shown its habitants. This Cambridge idea is well worthy of adoption.

THE KNIGHTS AND DAUGHTERS PROVIDE
CHRISTMAS ENTERTAINMENT

Each year the North Cambridge Council of the Knights of Columbus and Court La Rabida of the Catholic Daughters of America appropriate money from their treasuries for the purchase of ice cream, cake, fruit and tobacco for our Home folks. They also gave an entertainment of such a high standard that other organizations aim to equal. The Knights were led by their Grand Knight, Robert Martin and the Daughters by their Grand Regent, Mrs. K. B. Verdie.

REV. AUSTIN T. KEMPTON'S CAROLERS

It would not seem like Christmas Eve if Rev. Austin T. Kempton and his carolers from the Broadway Baptist Church did not appear at the Home. For many years he has brought these carolers to sing the Christmas hymns in the various wards.

CHRISTMAS GIFTS

The Christian Endeavor Societies of the First North Avenue and Broadway Baptist, the Prospect Street, and the Pilgrim Congregational Churches of Cambridge and the Calvary and Trinity Churches of Arlington brought their annual gifts of candies, tobacco, ties, handkerchiefs and other useful gifts. Everyone in the Home received a gift from these societies. Individual gifts of candy were received from Mrs. Joseph Ballister Russell, Howard Fiske and Lovell & Covel; oranges from Mrs. Edward S. Drown and tobacco from Griffin Brothers. Boxes of Weston's fancy crackers and candy were given to all from the interest of the Sarah E. Russell fund.

The day closed with the annual band concert given by the Cambridge Rotary Boys' Band under the direction of Director Perkins. The colored lighting of the Christmas tree and the large star as well as the thorough illumination of the entire Home caused most favorable comment.

On New Year's day, through the kindness of James W. Reardon of the *Boston American* and Overseer Edward W. Toomey, each one in the Home received a one-pound box of fancy candy.

CAMBRIDGE POLICE PRESENT A RADIO

The members of the Cambridge Police Mutual Aid Association made their annual visit on February 22, their customary date. A large delegation led by their President, William Gormley, distributed the goodly supply of ice cream, cake, fruit, candy and tobacco. They also presented the Home with an Atwater Kent Console Radio which was placed in the Men's Hospital Solarium. As a result they are being daily entertained by the best programmes on the air.

MOVIES

These have been most heartily enjoyed. The latest and best comedies have been freely loaned by the Metro-Goldwyn, Pathe and Famous Players through the kindly interest of Miss M. A. Ferris, Secretary of the New England Film Board of Trade. To Mr. and Mrs. George Sellman and Mrs. Mary McLaughlin of the Acme Exchange we are much indebted. For years we have been especially obligated to M. Joseph Sully for his services so frequently and cheerfully given that the old folks might be happier.

MASSACHUSETTS RELIEF OFFICERS ASSOCIATION

The annual meeting of the above association was held June 20, 1929. Seventy-five cities and towns were represented by one hundred and fifty delegates. Chairman Frank P. Sullivan presided at the convention. The headliner was Judge Arthur P. Stone, of the Third District Court, who stressed the need of boards of public welfare officials working in harmony. Officials who do not coöperate in the work should not be continued in service. An inspection of the building was made by the delegates under the direction of the members of the Board, Secretary and the Superintendent. All agreed that Cambridge had set the highest standard in the country for the maintenance and housing of the aged and infirm.

A banquet was served. It was in keeping with the reputation for hospitality that has been made by this department.

On the fourth of July Father E. Joseph Burke brought the members of St. Mary's Boys Band to the Home. An excellent band concert of patriotic and old-time airs was much enjoyed by all.

Manager Charles E. Hatfield of the University Theatre decided to bring more sunshine into the lives of our shut-ins and accordingly presented to Overseer Whitman, books of passes to be used by our home folks whenever they desired to visit his popular house. As a result of his kindness they have accepted his invitation and many of the big hits of the screen have been thoroughly and heartily enjoyed.

THANKS TO OFFICIALS

I desire to thank the Mayor, the Chairman, the Committee on City Home and the other members of the Board of Public Welfare for their good will, helpful advice and encouragement. They have made much lighter the burdens of my office which at times are most trying. Their good judgment greatly aided in the solution of difficult problems. Invaluable assistance was given me by the Matron; the help given by the Secretary and the City Physician is greatly appreciated; the staff and all employees have given their best efforts. I desire to thank all who have in any way brightened the lives of those under my charge and trust that they will be repaid one hundred fold by Him Who rewards the giving of even a cup of water in His name.

Respectfully submitted,

JOHN T. SHEA.

REPORT OF CAMBRIDGE CITY HOSPITAL TRUSTEES

Cambridge, Mass., April 10, 1930.

To His Honor the Mayor and the City Council:

The thirteenth annual report of the Cambridge City Hospital Trustees for the year ending March 31, 1930 is herewith submitted. Included is a report of the social service worker and a report of the superintendent, giving statistics of cases treated at the hospital during the year.

Under Chapter 73 of the Acts of 1929 entitled "an Act to authorize the City of Cambridge to borrow money for the erection of an addition to the Cambridge City Hospital," the Mayor and City Council provided the sum of \$550,000 for the erection of a new wing to the City Hospital and a new nurses' home. Under the direction of Edward T. P. Graham, architect, and Richard D. Kimball Company, engineers, plans for general construction and heating and ventilating were prepared. Later the contract for general construction was awarded to Martin W. Ryan, Inc. Contract for heating and ventilating was awarded to P. A. Dolan Company.

At the present time work under the above contracts is progressing very satisfactorily, and we will have completed a hospital capable of caring for about one hundred and fifty patients at an early date.

In the month of June Mr. Isaac McLean was reappointed as a member of the Board of Trustees. We regret to announce the death of Mr. McLean on October 7, 1929. He had been a member of the Board of Trustees since the organization of the hospital. Suitable action as a tribute of respect to his memory was taken by the Board of Trustees and by the City Council.

In December Doctor George Poirier, laryngologist, resigned. He was succeeded by Dr. Francis Miniter.

Again we thank his honor the Mayor and the members of the City Council for interest in the hospital and also take this opportunity to express our appreciation of the helpful coöperation

of the superintendent and the members of the staff at the hospital.

Respectfully,

CHARLES S. CAHILL, *Chairman*,
JOHN H. HURLEY,
FRANK F. ROGERS, JR.
JOHN J. QUINLAN,

The Hospital Staff on March 31, 1930, is as follows:

SURGICAL STAFF

Dr. Harry H. Germain, 475 Commonwealth Avenue, Boston (Chief).
Dr. William A. Noonan, 314 Harvard Street, Cambridge.
Dr. Edward J. O'Brien, 395 Commonwealth Avenue, Boston.
Dr. Daniel F. Mahoney, 520 Commonwealth Avenue, Boston.
Dr. John J. Murphy, 2192 Massachusetts Avenue, Cambridge.
Dr. Edward T. Downey, 475 Commonwealth Avenue, Boston.
Dr. Llewellyn H. Rockwell, 270 Commonwealth Avenue, Boston.

MEDICAL STAFF

Dr. Felix F. McGirr, 1436 Cambridge Street, Cambridge (Chief).
Dr. Willard A. Putnam, 16 Garfield Street, Cambridge.
Dr. John F. Fair, 9 Dana Street, Cambridge.
Dr. William H. Clancy, 80 Otis Street, Cambridge.
Dr. John R. Sennott, 321 Broadway, Cambridge.
Dr. Andrew Downing, 335 Huron Avenue, Cambridge.

ORTHOPEDIC STAFF

Dr. B. A. Godvin, 483 Beacon Street, Boston.
Dr. Arthur Sargent, 274 Commonwealth Avenue, Boston.

LARYNGOLOGISTS

Dr. Francis G. Minitier, 419 Boylston Street, Boston.
Dr. Thomas Dinan, Kenmore Hotel, Boston.

ROENTGENOLOGIST

Dr. Frederick W. O'Brien, 465 Beacon Street, Boston.

OBSTETRICIANS

Dr. Thomas J. Cahill, 156 Line Street, Cambridge.
Dr. Frederick J. Lynch, 475 Commonwealth Avenue, Boston.
Dr. Edward W. Feeley, 475 Commonwealth Avenue, Boston.
Dr. William B. Young, 479 Beacon Street, Boston.

OPHTHALMOLOGIST

Dr. Frederick Derby, 166 Huntington Avenue, Boston.

DENTAL SURGEON

Dr. Joseph B. Rockett, 520 Beacon Street, Boston.
Dr. Frank McLean, 54 Warren Street, Roxbury.

SURGICAL OUT-PATIENT STAFF

Dr. Edward T. Downey, 475 Commonwealth Avenue, Boston.
Dr. Emilio D'Errico, 1 Blossom Court, Boston.
Dr. Edward Ormsby, 395 Commonwealth Avenue, Boston.
Dr. Llewellyn H. Rockwell, 270 Commonwealth Avenue, Boston.

MEDICAL OUT-PATIENT STAFF

Dr. Leo Myles, 1776 Massachusetts Avenue, Cambridge.
Dr. E. J. O'Rourke, 2280 Massachusetts Avenue, Cambridge.
Dr. D. J. Herlihy, 13 Ellery Street, Cambridge.
Dr. J. Allen Thompson, 293 Broadway, Cambridge.

DERMATOLOGIST AND SYPHILOLOGIST

Dr. Walter Garfield, 19 Bay State Road, Boston.
Dr. Arthur Simmons, 223 Harvard Avenue, Allston.

ORTHOPEDIC OUT-PATIENT STAFF

Dr. Waldo W. Robbins, 1697 Cambridge Street, Cambridge.

CONSULTANTS

Dr. William McDonald, 395 Commonwealth Avenue, Dermatologist.
Dr. Frederick Good, 20 Commonwealth Avenue, Obstetrician.
Dr. George F. McIntire, 94 Bay State Road, Surgeon.
Dr. Maxwell E. McDonald, 270 Commonwealth Avenue, Neurologist.

SUPERINTENDENT OF HOSPITAL

Gertrude D. Stapleton

REPORT OF THE SOCIAL SERVICE DEPARTMENT

This department has been in existence nearly five years now and it is hoped results are telling. The work of helping the patient when medical and surgical care are no longer required falls to this department.

There is much that can be interpreted to the patient for the doctor by the social worker. Admissions are planned for, discharges arranged, follow up in the O. P. D., all help to complete the job "of getting one on his feet." It is difficult to stress ones efforts; to know whether the aged infirm or the new baby requires more emphasis. With the new addition to the hospital it is hoped we can care for more children and do good work for them.

On April 1, 1928, social service had seventy-seven old cases to carry over, an average of seven new patients a week and seventy-three old cases reinstated. Statistics cannot tell the story of social service. It is the friendly everyday guiding, directing and encouraging that makes the department worth while. Another survey of fractured skull cases was made this year and a report presented to a member of the hospital staff. The results of this study are tabulated and on record as a matter of real interest and help.

Respectfully,

BEATRICE K. QUINN,
Director.

REPORT OF HOSPITAL SUPERINTENDENT

The past year has been a very active one in all departments of the hospital. Our admissions in 1929 were two thousand six hundred and fifteen, exceeding the previous year by seventy-two. The bed capacity has been strained to its utmost, and on many occasions, for several days at a time we were forced to set up beds in the center of the wards and in corridors in order that patients needing hospitalization might be cared for. We are looking forward to relief of this situation during the coming year, as rapid progress is being made on our addition to the hospital, and inside of a few months we hope to occupy our new wards and Out-Patient Department.

Our Nurses' Home is also nearing completion and we hope to have a beautiful building in which to house our nurses. This home will also contain a fully equipped set of classrooms, containing lecture rooms, demonstration rooms, scientific and dietetic laboratories where theoretical and practical work will be taught. It is hoped that such a home will attract young women suited for the profession of nursing to come to our hospital for their course in training.

I take this opportunity of expressing my appreciation to the Trustees of the Hospital, and to the members of the Staff for their coöperation and assistance during the past year.

GERTRUDE D. STAPLETON, R.N.,
Superintendent.

BRIEF STATEMENT OF EXPENDITURES AND RECEIPTS

April 1, 1929 to March 31, 1930

Salaries.....	\$83,954 05
Services other than personal.....	16,648 05
Equipment.....	586 42
Supplies.....	97,516 39
Total.....	\$198,704 91
Received from patients, April 1, 1929 to March 31, 1930.....	\$63,695 47

STATISTICS FROM APRIL 1, 1929 TO MARCH 31, 1930

Total admissions to hospital during the year.....	2,615
Surgical admissions.....	1,069
Medical admissions.....	418
Obstetrical admissions.....	855
Orthopedic admissions.....	44
Aural and oral admissions.....	165
Pediatric admissions.....	55
Ophthalmic admissions.....	7
Dermatological admissions.....	2
Daily average of patients in hospital.....	98
Largest number of patients in one day.....	118
Smallest number of patients in one day.....	66
Patients treated in Out-Patient Department, all clinics.....	21,530
Patients treated in the accident room.....	2,610
Patients remaining in hospital April 1, 1929.....	91
Patients remaining in hospital April 1, 1930.....	78

ADMISSIONS AND THEIR CLASSIFICATIONS

Year ending March, 1930

Specific Infectious Diseases — General Diseases

Abscess, alveolar.....	3
Abscess, arm.....	1
Abscess, axillary.....	1
Abscess, Bartholin's gland.....	2
Abscess, breast.....	1
Abscess, breast (puerperal).....	1
Abscess, buttock.....	3
Abscess, cervical.....	1
Abscess, finger.....	1
Abscess, hand.....	2
Abscess, inguinal.....	2
Abscess, ischio-rectal.....	13
Abscess, leg.....	3
Abscess, lip.....	1
Abscess, mouth.....	1
Abscess, neck.....	1
Abscess, parotid.....	1
Abscess, pelvic.....	3
Abscess, peritonsillar.....	4
Abscess, prostate.....	2
Abscess, retropharyngeal.....	1
Abscess, scrotum.....	1
Abscess, skin (thoracic wall).....	1
Abscess, thigh.....	2
Abscess, vulva.....	2

Abscess, vulvovaginal	3
Arthritis, acute	2
Arthritis, acute infectious	10
Arthritis, chronic infectious	2
Arthritis, subacute infectious	1
Bronchopneumonia	41
Carbuncle of arm	1
Carbuncle of back	1
Carbuncle of leg	1
Carbuncle of lip	1
Carbuncle of neck	2
Cellulitis of ankle	1
Cellulitis of arm	1
Cellulitis of eye	1
Cellulitis of knee	2
Cellulitis of leg	4
Cellulitis of mouth	2
Chancroid	1
Diphtheria	4
Epididymitis, gonorrheal	1
Erysipelas	5
Furunculosis	1
Impetigo, contagiosa	1
Infections, acute	38
Influenza	3
Meningitis streptococcic	1
Pneumonia, hypostatic	1
Pneumonia, interstitial	3
Pneumonia, lobar	16
Rheumatism, chronic	1
Rheumatic fever	1
Scarlet fever	4
Sepsis, general	3
Syphilis of aorta	2
Syphilis central nervous system	1
Syphilis, stomach	1
Syphilis, tertiary	7
Tinea "epidermophytosis"	1
Tuberculosis, chronic	13
Tuberculosis, acute	3
Tuberculosis, hip	1
Tuberculosis, thymus gland	1
Tuberculosis, peritoneum	1
Typhoid fever	8
Urethritis, gonorrheal	2
Vaccinia	1
Vesiculitis, gonorrheal	1

Diseases Due to Animal Parasites

Scabies	2
-------------------	---

Diseases of Metabolism and Deficiency

Acidosis, non-diabetic	1
Diabetes, mellitus	12
Diabetic gangrene	2
Obesity	1
Rickets	3
Spasmophilia	1

Diseases Peculiar to Infancy

Asphyxia, neonatorum.....	1
Convulsions.....	1
Convulsions (cause unknown).....	1
Feeding, regulation of.....	1
Malnutrition.....	6
Prematurity.....	

Diseases Due to Physical Agents

Exposure to cold.....	2
Burns.....	11
Heat Prostration.....	3
Scalds.....	1

Poisonings — Intoxications

Alcoholism, acute.....	63
Poisonings, acute, alcohol.....	1
Poisonings, acute, alkali.....	1
Poisonings, acute, allonal.....	2
Poisonings, acute, ammonia.....	1
Poisonings, acute, carbolic.....	1
Poisonings, acute, chloroform.....	1
Poisonings, acute, iodine.....	2
Poisonings, acute, mercurochrome.....	2
Poisonings, acute, morphia.....	1
Poisonings, acute, naphthol.....	1
Poisonings, acute, veronal.....	1
Poisonings, accidental, carbon monoxide.....	4
Suffocation by smoke.....	1

Tumors, Benign and Malignant

Adenfibroma.....	1
Carcinoma, abdomen.....	1
Carcinoma, bladder.....	1
Carcinoma, bowel.....	1
Carcinoma, cecum.....	1
Carcinoma, cervix.....	2
Carcinoma, descending colon.....	1
Carcinoma, transverse colon.....	1
Carcinoma, ear.....	1
Carcinoma, esophagus.....	1
Carcinoma, femur.....	1
Carcinoma, lung.....	1
Carcinoma, pancreas.....	1
Carcinoma, prostate.....	1
Carcinoma, pylorus.....	1
Carcinoma, sigmoid.....	1
Carcinoma, stomach.....	1
Carcinoma, uterus.....	1
Cyst, bartholini.....	1
Cyst, bone.....	1
Cyst, breast.....	1
Cyst, kidney.....	1
Cyst, ovary.....	4
Cyst, thyroid.....	1
Epithelioma, lip.....	1
Fibroid, uterus.....	10
Lymphoma, malignant.....	1

Myoma, uterus	2
Odontoma, teeth	1
Papilloma	1
Polypus, ear	1
Polypus in rectum	1
Polypus, uterus	1
Tumor, breast	1

Congenital Malformations

Dislocation, congenital	1
Heart disease, congenital	1
Hydrocephalus	1
Imperfect development of female generative organs	1
Pilondial sinus	5
Spinal bifida	1
Undescended testicle	1

Injuries

Abrasions	29
Amputation, traumatic	8
Concussion	17
Contusions	60
Dislocations	6
Foreign body, glass, hand	1
Foreign body, needle, foot	1
Foreign body, needle, hand	1
Fractures, simple	196
Fractures, compound	4
Fractures, comminuted	4
Hematoma	2
Sprain, acute	5
Strains, acute	9
Wounds, gunshot	3
Wounds, incised	1
Wounds, lacerated	65
Wounds, punctured	3

Diseases of the Skin

Dermatitis, medicamentosa	1
Dermatitis, venenata	2
Erythema, nodosum	1
Psoriasis	2
Seborrhea	1

Diseases of the Circulatory System

Aneurism, innominato	1
Angina, pectoris	1
Arteriosclerosis, general	16
Arteriosclerosis, peripheral	1
Auricular, fibrillation	1
Coronary occlusion	1
Endarteritis	3
Endocarditis, acute	1
Endocarditis, chronic	7
Endarteritis	1
Fibrillation, auricular	1
Heart disease, hypertensive without nephritis	1
Hypertension	5

Heart disease, rheumatic.....	1
Hypotension.....	3
Mitral insufficiency.....	11
Myocarditis, acute.....	6
Myocarditis, chronic.....	43
Myocarditis, insufficiency.....	1
Pachymeningitis.....	1
Phlebitis.....	7
Thrombosis of cavernus sinus.....	1
Thrombosis of thigh.....	1
Ulcer, varicose.....	3
Valvular disease chronic cardiac, mitral insufficiency.....	2
Valvular disease chronic cardiac mitral regurgitation.....	1
Valvular disease chronic cardiac, mitral stenosis.....	2
Varix.....	3
Varix of extremities.....	1

Diseases of the Lymphatic System

Adenitis, mesenteric.....	1
Hyperthrophy of lymph nodes.....	1
Lymphadenitis, acute.....	10
Lymphadenitis, chronic.....	1

Diseases of the Blood and Blood-Forming Organs

Anemia, pernicious.....	3
Anemia, secondary.....	5
Rupture of spleen.....	1

Diseases of the Ductless Glands

Enlargement of thymus.....	1
Goitre, exophthalmic.....	1
Myxedema.....	2
Thyroid, enlarged.....	1

Diseases of the Nervous System

Arteriosclerosis, cerebral.....	1
Cephalalgia.....	1
Cerebral, embolism.....	2
Chorea.....	2
Chorea, habit.....	2
Chorea, Huntington's.....	2
Convulsions of unknown origin.....	2
Delirium, tremens.....	1
Dementia, senile.....	1
Dementia, praecox.....	2
Embolism, cerebral.....	3
Encephalitis, lethargica.....	1
Epilepsy.....	7
Epilepsy, Jacksonian.....	1
Hemorrhage into cerebrum.....	9
Hemiplegia.....	2
Hysteria.....	8
Meningismus.....	1
Mental.....	1
Myositis, acute.....	1
Neuralgia, intercostal.....	1
Neurasthenia.....	2
Neuritis, multiple.....	2

Paralysis, agitans	1
Paralysis of cranial nerves, facial	1
Psychoneurosis	1
Psychopathic, personality	1
Psychosis	1
Psychoses, alcoholic	1
Syncope	1

Diseases of the Bones, Joints, Muscles, Tendons and Fascia

Ankylosis, finger	1
Arthritis, acute	10
Arthritis, chronic	3
Arthritis, hyperthropic	1
Bursitis, acute	2
Necrosis, toes	1
Osteoarthritis	3
Osteomyelitis, acute	5
Osteomyelitis, chronic	7
Rickets, deformity due to	2
Scoliosis	1
Spur of Os Calcis	1
Synovitis, knee	3

Diseases and Injuries of the Eye and Ear

Cataract	2
Cataract, senile	1
Cellulitis, eye	1
Cellulitis, orbit	1
Conjunctivitis, acute	1
Enucleation of orbit	1
Foreign body in orbit	1
Glaucoma, inflammatory	3
Mastoiditis, acute	7
Mastoiditis, chronic	3
Mastoiditis, recurrent	1
Otitis, externa	1
Otitis media, acute	5
Otitis media acute with mastoiditis	1
Otitis media suppurative, acute	2
Otitis media, chronic	3
Otitis media with chronic mastoiditis	1
Otitis media suppurative with chronic mastoiditis	1
Perichondritis of auricle	1

Diseases of the Nose and Accessory Sinuses

Deviation of nasal septum	11
Empyema, antrum	1
Epistaxis	4
Ethmoiditis	1
Furuncle, face	1
Pansinusitis	2
Perforated nasal septum	1
Rhinitis, acute	1
Sinusitis	1
Sinusitis, acute	5
Sinusitis, chronic	4

Diseases of the Mouth, Lips, Cheeks, Pharynx, Tonsils and Palate

Tonsillitis, acute	20
Hyperthropy of tonsils	9

Hypertrophy of tonsils and adenoids	86
Pharyngitis, acute	5
Vincent's Angina	1

Diseases of the Jaw, Teeth and Gums

Impacted root	1
Pyorrhea, alveolaris	3
Teeth, abscessed	1

Diseases of the Tongue

Foreign body in esophagus	1
-------------------------------------	---

Diseases of the Stomach

Adhesions about abdomen	1
Gastritis, acute	3
Gastritis, catarrhal	1
Gastritis, chronic	1
Gastroptosis	1
Pylorospasm	1
Ulcer, gastric	3
Ulcer of stomach	7
Ulcer of stomach, peptic	6
Ulcer of stomach, perforated	2

Diseases of the Intestines

Appendicitis, acute	86
Appendicitis, acute, with abscess	11
Appendicitis, acute, with perforation	9
Appendicitis, acute, with peritonitis	2
Appendicitis, subacute	38
Appendicitis, subacute with abscess	1
Appendicitis, chronic	14
Colitis, acute	2
Colitis, ulcerative	1
Constipation	25
Diverticulitis, colon	1
Enteritis, acute	5
Entero-colitis	1
Enteroptosis	2
Gastro-enteritis	4
Obstruction, intestinal acute	3
Obstruction, intestinal acute due to adhesions	2
Paralytic ileus	2
Perforation of sigmoid, traumatic	1
Ulcer, duodenal	14
Ulcer, duodenal, perforated	4
Visceroptosis	1

Diseases of the Liver and Biliary Tract

Cholelithiasis, acute	6
Cholelithiasis, chronic	6
Cholecystitis, acute	5
Cholecystitis, chronic	10
Cholecystitis, subacute	1
Cirrhosis of liver	3

Diseases of the Pancreas

Pancreatitis, subacute	1
----------------------------------	---

Diseases of the Abdomen and Peritoneum in General

Ascites, cirrhosis	1
Hernia, femoral	1
Hernia, inguinal	33
Hernia, inguinal strangulated	1
Hernia, umbilical	2
Hernia, ventral	7
Inflammation of Umbilicus, chronic	1
Peritonitis	1
Torsion of Omentum	1
Umphilitis	1

Diseases of the Rectum and Anus

Fissure of anus	3
Fistula, perineal	1
Hemorrhoids	18

Disease of the Larynx

Laryngitis, acute	3
-----------------------------	---

Diseases of the Trachea and Bronchi

Asthma	3
Bronchitis, acute	12
Bronchitis, chronic	4

Diseases of the Lungs

Congestion of lungs, chronic	1
Edema of lungs	1
Hemoptysis	2

Diseases of the Pleura and Mediastinum

Empyema of pleura	13
Pleurisy, fibronous acute	1
Pleurisy, serous	2

Diseases of the Kidney and Ureter

Nephritis, acute	2
Nephritis, acute without edema	1
Nephritis, chronic	8
Nephritis, chronic with edema	7
Nephritis, chronic without edema	7
Nephrolithiasis	7
Pyelonephritis	1
Pyelitis	10
Renal Colic	3
Uremia, acute	1
Uremia, chronic	1

Diseases of the Bladder

Cystitis, chronic	1
Cystitis, subacute	1

Diseases of the Urethra (Male and Female)

Extravastation of urine	2
Stricture of urethra	3
Urethritis, acute	1

Diseases of the Male Generative Organs

Epidymitis, acute.....	1
Hypertrophy of Prostate.....	11
Phimoses.....	16
Prostatitis, chronic.....	2
Varicocele.....	2
Hydrocele.....	4

Diseases of the Female Generative Organs

Bartholinitis.....	1
Endocervicitis.....	1
Endometritis, acute.....	1
Endometritis, hypertrophic.....	6
Fibrosis of uterus.....	2
Laceration of cervix.....	4
Laceration of cervix and pelvic floor.....	1
Metrorrhagia.....	1
Metritis, chronic.....	1
Oophritis, acute.....	1
Pelvic cellulitis.....	4
Pelvic cellulitis with abscess.....	1
Pelvic cellulitis with salpingitis.....	1
Pelvic inflammation.....	22
Relaxed pelvic floor with cystocele.....	1
Relaxed pelvic floor with prolapse of uterus.....	6
Relaxed pelvic floor with rectocele and cystocele.....	1
Retroversion of uterus.....	7
Salpingitis, acute.....	2
Salpingitis, chronic.....	4
Salpingitis, subacute.....	2
Stenosis of cervix.....	1
Sterility.....	1

Puerperal State

Abortion.....	11
Endometritis, acute.....	1
Nephritis of pregnancy.....	1
Miscarriage.....	57
Newborn infants.....	403
Phlebitis, puerperal.....	1
Parturition.....	404
Pregnancy, ectopic.....	1
Pregnancy, hypertension.....	1
Pregnancy, normal.....	39
Pregnancy, toxemia.....	1
Pregnancy tubal with abortion.....	1
Premature delivery.....	1
Pyelitis of pregnancy.....	1
Retained placenta.....	2
Septicemia, puerperal.....	1

Diseases of the Breast (Male and Female)

Mastitis, chronic.....	2
------------------------	---

Anaphylaxis

Asthma, anaphylactic.....	1
Serum sickness.....	1
Shock, anaphylactic.....	1

Ill-Defined or Unclassified Diseases

Asphyxia, coal dust.	1
Gangrene.	1
General debility.	1
Hemorrhage, post-operative.	5
Immersion.	1
Ingrown toenail.	2
Malnutrition.	1
No Disease.	8
Shock, traumatic.	1
Wound of abdominal wall.	1

DEATHS**Specific Infectious Diseases, General Diseases**

Abscess, pelvic.	1
Bronchopneumonia.	18
Carbuncle of neck.	2
Meningitis, streptococic.	1
Pneumonia, lobar.	15
Sepsis, general.	1
Septic sore throat, epidemic.	1
Typhoid fever.	2
Tuberculosis, meningitis.	1
Tuberculosis milary, acute.	1
Tuberculosis of peritoneum.	1

Diseases of Metabolism and Deficiency

Diabetes, mellitus.	4
-----------------------------	---

Diseases Peculiar to Infancy

Hemorrhage, cerebral.	1
Malnutrition.	4
Prematurity.	3

Diseases due to Physical Agents

Burns.	4
----------------	---

Poisonings — Intoxications

Alcoholism, acute.	1
----------------------------	---

Tumors, Benign and Malignant

Carcinoma of larynx.	1
Carcinoma of prostate.	1
Carcinoma of sigmoid.	1
Carcinoma of stomach.	1

Congenital Malformations

Spina bifida.	1
-----------------------	---

Injuries

Fracture femur.	1
Fracture, rib.	1
Fractured skull.	13
Wounds, punctured.	1

Diseases of the Circulatory System

Angina pectoris	1
Dilatation of heart, acute	4
Endocarditis, chronic	2
Gangrene, senile	1
Myocarditis, chronic	17

Diseases of the Blood and Blood-Forming Organs

Anemia, pernicious	1
Purpura hemorrhagica	1

Diseases of the Ductless Glands

Arteriosclerosis, cerebral	1
Hemorrhage into cerebrum	14
Meningitis	1
Meningitis, cerebrospinal	2

Diseases of the Bones, Joints, Muscles, Tendons and Fascia

Osteomyelitis, chronic	1
----------------------------------	---

Diseases of the Intestines

Appendicitis, acute with peritonitis	1
Gastro-enteritis	2
Obstruction, intestinal acute	4

Diseases of the Liver and Biliary Tract

Cirrhosis of liver	2
------------------------------	---

Diseases of the Pancreas

Pancreatitis, acute	1
-------------------------------	---

Diseases of the Abdomen and Peritoneum in General

Hernia, inguinal strangulated	1
---	---

Diseases of the Trachea and Bronchi

Asthma	1
------------------	---

Diseases of the Lungs

Empyema of lungs	1
----------------------------	---

Diseases of the Pleura and Mediastinum

Empyema of pleura	1
-----------------------------	---

Diseases of the Kidney and Ureter

Nephritis, acute	1
Nephritis, chronic	1
Nephritis, chronic without edema	4
Uremia, acute	1

Diseases of the Male Generative Organs

Hypertrophy of prostate	1
-----------------------------------	---

Puerperal State

Abortion.....	1
Hemorrhage, accidental (puerperium).....	1
Miscarriage.....	1
Stillborn.....	6

Ill-Defined or Unclassified Diseases

Hemorrhage, post-operative	1
Shock, surgical.....	3

OPERATING ROOM RECORD

Specific Infectious Diseases, General Diseases

Abscess, alveolar.....	1
Abscess, arm.....	1
Abscess, breast.....	1
Abscess, breast (puerperal).....	1
Abscess, buttock.....	2
Abscess, hand.....	1
Abscess, inguinal.....	1
Abscess, ischio-rectal.....	8
Abscess, leg.....	2
Abscess, neck.....	1
Abscess, parotid.....	1
Abscess, pelvic.....	1
Abscess, prostate.....	1
Abscess, skin.....	1
Abscess, thigh.....	1
Abscess, vulva.....	3
Carbuncle, arm.....	1
Carbuncle, back.....	1
Carbuncle, leg.....	1
Carbuncle, neck.....	2
Cellulitis, leg.....	1
Epididymitis, gonorrheal.....	1
Infection, acute, ankle.....	1
Infection, acute, arm.....	1
Infection, acute, elbow.....	1
Infection, acute, finger.....	1
Infection, acute, hand.....	7
Infection, acute, heel.....	1
Infection, acute, thumb.....	1
Syphilis of stomach.....	1

Diseases of Metabolism and Deficiency

Gangrene, diabetic.....	1
-------------------------	---

Tumors, Benign and Malignant

Adenofibroma.....	1
Carcinoma of abdomen.....	1
Carcinoma of bladder.....	1
Carcinoma of cecum.....	1
Carcinoma of transverse colon.....	1
Carcinoma of uterus.....	1
Cyst, bartholini.....	1
Cyst, breast.....	1
Cyst, thyroid.....	1
Cyst, ovary.....	2

Fibroid of uterus.....	9
Lymphoma, malignant (Hodgkin's disease).....	1
Myoma of uterus.....	2
Odontoma.....	1
Polypus of ear.....	1
Polypus of uterus.....	1
Tumor of breast.....	1

Congenital Malformations

Pilonidal sinus.....	5
Undescended testicle.....	1

Injuries

Amputation, traumatic.....	6
Foreign body, glass, hand.....	1
Foreign body, needle, hand.....	1
Hematoma, leg.....	1
Fracture of nasal bone.....	3
Wounds, incised.....	1
Wounds, lacerated.....	1

Diseases of the Circulatory System

Endarteritis.....	1
Gangrene, senile.....	1
Varix.....	1

Diseases of the Lymphatic System

Lymphadenitis, acute.....	2
Lymphadenitis, chronic.....	1

Diseases of the Blood and Blood-Forming Organs

Anemia, pernicious.....	2
Rupture of spleen.....	1

Diseases of the Bones, Joints, Muscles, Tendons and Fascia

Ankylosis of finger.....	1
Osteomyelitis, acute.....	1
Rickets, deformities due to.....	2

Diseases and Injuries of the Eye and Ear

Mastoiditis, acute.....	5
Otitis media acute with mastoiditis.....	1
Otitis media with chronic mastoiditis.....	1

Diseases of the Nose and Accessory Sinuses

Deviation of nasal septum.....	10
Sinusitis, chronic.....	1

Diseases of the Mouth, Lips, Cheeks, Pharynx, Tonsils and Palate

Hypertrophy of tonsils.....	9
Hypertrophy of tonsils and adenoids.....	71

Diseases of the Jaw, Teeth and Gums

Pyorrhea, alveolar.....	1
-------------------------	---

Diseases of the Stomach

Ulcer of stomach, peptic.....	1
-------------------------------	---

Diseases of the Intestines

Appendicitis, acute.....	85
Appendicitis, acute with abscess.....	11
Appendicitis, acute with perforation.....	8
Appendicitis, chronic.....	6
Appendicitis, subacute.....	32
Appendicitis, subacute with abscess.....	2
Obstruction, intestinal acute.....	5
Ulcer, duodenal.....	3
Ulcer duodenal perforated.....	4

Diseases of the Liver and Biliary Tract

Cholelithiasis, acute.....	4
Cholelithiasis, chronic.....	3
Cholecystitis, acute.....	1
Cholecystitis, chronic.....	4
Cholecystitis, subacute.....	1

Diseases of the Abdomen and Peritoneum in General

Hernia, femoral.....	1
Hernia, inguinal.....	29
Hernia, inguinal strangulated.....	1
Hernia, ventral.....	9
Hernia, umbilical.....	2
Umphilitis.....	1

Diseases of the Rectum and Anus

Fissure of anus.....	2
Fistula, perineal.....	1
Hemorrhoids, external.....	7
Hemorrhoids, external and internal.....	3
Hemorrhoids, internal.....	3

Diseases of the Pleura and Mediastinum

Empyema of pleura.....	8
------------------------	---

Diseases of the Kidney and Ureter

Pyelitis.....	1
---------------	---

Diseases of the Urethra (Male and Female)

Stricture of urethra.....	1
---------------------------	---

Diseases of the Male Generative Organs

Epididymitis.....	1
Hydrocele.....	1
Hypertrophy of prostate.....	4
Phimosis.....	8
Varicocele.....	1

Diseases of the Female Generative Organs

Endocervicitis.....	2
Endometritis.....	1

Endometritis, hypertrophic	2
Laceration of cervix	4
Metritis, chronic	1
Pelvic cellulitis	1
Pelvic inflammation	1
Prolapse of uterus	2
Retroversion of uterus	6
Salpingitis, chronic	1
Stricture of urethra	2

Puerperal State

Abortion	7
Miscarriage	35
Parturition, Caesarian	2
Pregnancy, tubal with abortion	1

Ill-Defined or Unclassified Diseases

Ingrown toenails	1
Wound of abdominal wall	1

TRUSTEES OF THE SANDERS TEMPERANCE FUND

Cambridge, April 8, 1930.

*Hon. Richard M. Russell, Frederick H. Burke, Joseph M. Stokes,
Trustees of the Sanders Temperance Fund:*

Gentlemen: I beg leave to submit my annual report of my labors as City Missionary for the past year. I have attended nearly all the sessions of the Third District Court and sometimes make visits to the Police Stations on Sundays. I sometimes call at the homes of poor unfortunates in my endeavor to reconcile them to each other with varying degree of success. I feel that a great deal of good can be accomplished in that way. For myself I have always been a strong moral suasionist. I have never thought that the law did near as much good as did moral suasion if you get a little coöperation from the unfortunate.

I regret to state that for the past year there have been about 3,000 arrests in Cambridge and Arlington. I have spoken kind words to many of those and I hope with good results. For the past few years the age seems to have changed among the people who drink to excess. Formerly more people of middle ages were the victims, but today drunkenness is increasing to an alarming extent among the young people. I have seen them frequently in their *teens* prosecuted for drunkenness, and the drinking people of today are not all of the male sex either, a fact which I deplore very much. A great deal has been said the past few years about law enforcement, etc. I have come to the conclusion that if the law was enforced to the letter that we would have to increase the capacity of the jails to hold the violators of the law. We have an element in our midst today who have no respect for law at all, and I feel that if the Legislature made the liquor question a capital offence, a large number who are engaged in it today would take no chances.

A short time ago while in a reminiscent mood it occurred to me that a few years ago most all the churches within a radius of many miles had a Temperance Society. Besides there were Reform Clubs, Temples of Honor, and many kindred organiza-

tions and they all did good work in their way, but where are they today? I cannot tell where there is one left. There must be some cause for it. What is it? It seems to me that a Temperance Society has a better field to labor in today than at any time in the history of the country, so let us try our best and trust in God for the rest.

Most respectfully,

BERNARD J. BROGAN,
City Missionary.

REPORT OF THE SUPERINTENDENT OF THE CAMBRIDGE CEMETERY

To the Honorable Board of Cemetery Commissioners:

I hereby submit to you the seventy-sixth annual report of the Superintendent of Cambridge Cemetery, the same being for the year ending March 31, 1930.

THE RECEIPTS HAVE BEEN AS FOLLOWS

Burial fees	\$10,473 50
Removal fees	389 00
Tomb fees	43 00
Sales of lots and graves	26,641 87
Brick and slate graves	838 25
Foundations	3,340 37
Grading and sodding	1,255 50
Care of lots and graves	2,979 45
Evergreen	2,135 00
Chapel	84 00
Perpetual care, interest	8,642 65
Total receipts	\$56,822 59
Lots taken into Perpetual Care	104
Amount received for deposit on same	\$8,595 65

THE FOLLOWING STATISTICS MAY BE OF INTEREST

Interments April 1, 1929 to March 31, 1930	836
Total number of interments to March 31, 1930	44,022
Graves sold April 1, 1929 to March 31, 1930	275
Lots sold April 1, 1929 to March 31, 1930	147
Graves ready for sale	117
Lots ready for sale	183
Estimated value of lots and graves ready for sale	\$42,408 00
Foundations built April 1, 1929 to March 31, 1930	225
Lots and graves in annual care April 1, 1929 to March 31, 1930	550

EXPENDED FOR SALARIES APRIL 1, 1929 TO MARCH 31, 1930

A-1 Total appropriation, regular employees	\$35,152 00
Amount expended	34,739 56
Balance	\$412 44
A-2 Total appropriation	\$18,348 00
Expended	18,348 00
Balance . . . . .	.....
Total appropriation, A-1 and A-2	\$53,500 00
Total expended	53,087 56
Balance unexpended	\$412 44

EXPENDED AS FOLLOWS

Superintendent.....	\$3,300 00
Assistant Superintendent.....	2,562 67
Clerk of board.....	400 00
Clerk in city clerk's office.....	100 00
Nurseryman.....	2,080 00
Permanent men.....	26,296 89
Transient men.....	18,348 00
Total.....	<u>\$53,087 56</u>

EXPENDED FOR SUPPLIES

Code B. Appropriation....	\$1,721 16	Expended.....	\$1,721 16
Code C. Appropriation....	1,014 88	Expended.....	1,014 88
Code D. Appropriation....	4,930 43	Expended.....	4,930 43
Code E. Appropriation....	1,413 93	Expended.....	1,413 93
Code G. Appropriation....	5,116 23	Expended.....	5,116 23
Total.....	<u>\$14,196 63</u>	Total.....	<u>\$14,196 63</u>

In submitting this seventy-sixth annual report I again most respectfully call the attention of your Honorable Body to the great necessity of obtaining more land for cemetery purposes. While the fact is that the Pond Section is fully developed and lots thereon are ready for sale and many of them have been sold, and also that about three acres of land abutting the Metropolitan Parkway on the river front has been made, developed and plotted into single graves and small lots, most of which have been sold, there is a demand for lots nearer the main entrance. These can only be obtained by the purchase of the Mt. Auburn Cemetery land abutting the cemetery on the northeasterly boundary. The buildings on this land could be used to considerable extent to replace the buildings now occupied for cemetery purposes near our main entrance. The removal of the said buildings would make available almost immediately much valuable land for new lots. I therefor urge that something be done as soon as possible towards the purchase of this Mt. Auburn Cemetery property before it is sold to some other party. In the event this land cannot be purchased I again recommend the building of a garage workshop and storage building on a part of the land to be filled in off River Avenue, in the rear of the cemetery.

I recommend the continued filling of the lowlands abutting the Cemetery near River Avenue, until it has all been filled in, as had it not been for the land made available in this section for single and small grave lots we would not have had any of same

for sale for the past year. The conditions of the avenues during the winter just passed has been much better than in previous years, but vast improvement in this way can still be made and I again recommend the building of new modern avenues at the rate of at least one mile a year until all the avenues have been put on a permanent basis. We must continue to have better equipment in the Cemetery as the newly developed land increases the added work and by additional lots being placed in perpetual care makes it necessary to have modern equipment so that the work can be done, and to that end I recommend the purchase of two small-size motor mowers, and one large one to replace the first one purchased, which has about reached the end of its usefulness. We shall need two new lowering devices in the near future and more sets of Evergreen. About ninety per cent of the interments now require the use of this equipment. I recommend the purchase of a one-ton truck. Our one truck is now beginning to show considerable wear on account of the extensive work it has done trying to serve all units of the department. It now requires considerable repair, and while out of commission at times it leaves the department without any vehicle with which to work.

Respectfully submitted,

THOMAS J. CAVANAGH,
Superintendent.

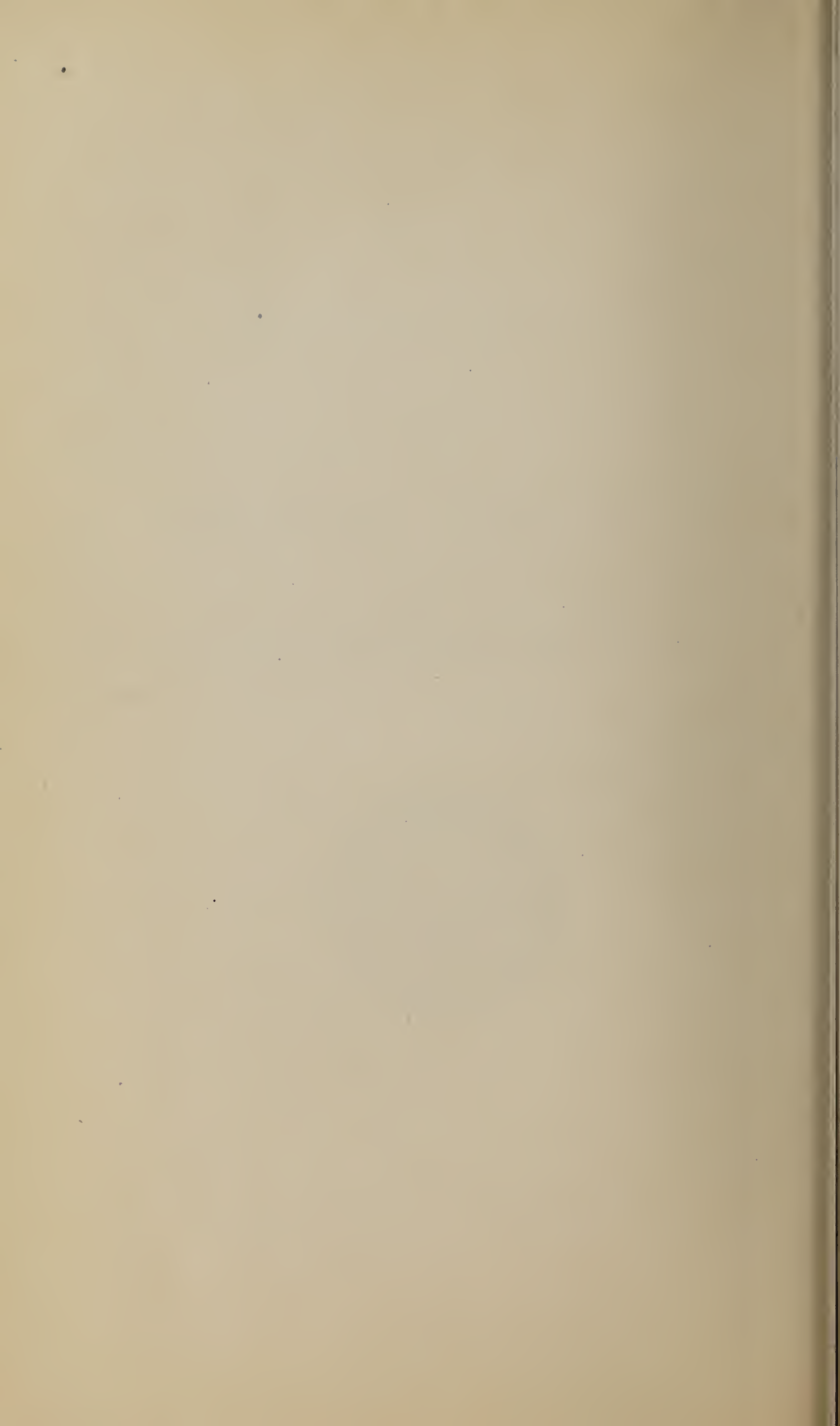
CITY OF CAMBRIDGE
MASSACHUSETTS

ANNUAL REPORT
OF THE
WATER BOARD

For the Year Ending March 31, 1930



PRINTED FOR THE DEPARTMENT
UNDER THE DIRECTION OF THE CITY CLERK



CAMBRIDGE WATER BOARD

1929-1930

President

BERNARD E. McDERMOTT

Resigned January, 1930

Members of the Board

BERNARD E. McDERMOTT.....	Term expires 1930
HENRY L. SKELLEY.....	Term expires 1931
THOMAS E. KENNEDY.....	Term expires 1932
MARTIN A. FEELEY.....	Term expires 1933
DR. GEORGE F. McINNES	Term expires 1934

General Superintendent of Works

TIMOTHY W. GOOD

CAMBRIDGE WATER BOARD

Date of election and length of service of members, 1865-1930

CHESTER W. KINGSLEY.....	1865—1894	
JOHN SARGENT.....	1865—1871	
A. K. P. WELCH.....	1865—1871	
ROBERT DOUGLASS.....	1865—1871	
SAMUEL SLOCOMB.....	1865—1876	
Z. L. RAYMOND.....	1871	
HENRY L. EUSTIS.....	1871—1885	
J. WARREN MERRILL.....	1871—1881	
GEORGE P. CARTER.....	1871—1883	
JOHN H. LEIGHTON.....	1876—1879	
KNOWLTON S. CHAFFEE.....	1879—1889	
JAMES M. W. HALL.....	1881—1899	
LEANDER M. HANNUM.....	{ 1883—1884	
	{ 1885—1893	
JOHN F. O'BRIEN.....	1884—1895	
GEORGE F. HOWARD.....	1889—1910	
E. BURT PHILLIPS.....	1893—1896	
FRANK A. ALLEN.....	1895—1899	
STILLMAN F. KELLY.....	1894—1903	
WELLINGTON FILLMORE.....	1896—1903	
EDMUND H. STEVENS.....	1899—1907	
WILLIAM B. DURANT.....	1899—1907	
ANDREW J. RADY.....	1903—1914	
JOHN F. O'BRIEN.....	1903—1923	
ALVIN F. SORTWELL.....	1907—1910	
JAMES J. SCULLY.....	1910—1928	
AUGUSTUS W. DUDLEY.....	1907—1909	
JOSEPH E. DOHERTY.....	1909—1929	
BERNARD E. McDERMOTT.....	1910—1930	
JOHN P. CONROY.....	1914—1925	
MARTIN A. FEELEY.....	1925	(Now in office)
THOMAS E. KENNEDY.....	1926	(Now in office)
HENRY L. SKELLEY.....	1928	(Now in office)
DR. GEORGE F. McINNES.....	1929	(Now in office)

Presidents of the Board

J. WARREN MERRILL.....	1865—1867
EZRA PARMENTER.....	1867—1867
JOHN SARGENT.....	1867—1871
J. WARREN MERRILL.....	1871—1873
CHESTER W. KINGSLEY.....	1873—1876
GEORGE P. CARTER.....	1876—1883
CHESTER W. KINGSLEY.....	1883—1894
JAMES M. W. HALL.....	1894—1899
WILLIAM B. DURANT.....	1899—1907
ALVIN F. SORTWELL.....	1907—1910
ANDREW J. RADY.....	1910—1914
JAMES J. SCULLY.....	1914—1928
BERNARD E. McDERMOTT.....	1928—1930

REPORT OF THE CAMBRIDGE WATER BOARD

To the Honorable City Council:

The sixty-fifth (65th) annual report of the Cambridge Water Board for the year ending March 31, 1930, is hereby submitted for your consideration.

The report of the General Superintendent gives in detail the operations and financial condition of the Water Works. Reference is also made to the report of the Commissioners of the Sinking Fund of the City.

FINANCIAL STATEMENT IN BRIEF

Total cost of Water Works to March 31, 1929	\$7,964,428 81
Extensions etc., for year ending March 31, 1930	13,012 00
Pump and new house	74,834 08
<hr/>	
Total cost of Water Works to March 31, 1930	\$8,052,274 89
Total amount of funded bonds outstanding March 31, 1930	\$417,500 00
Less value of Sinking Fund	404,317 61
<hr/>	
	\$13,182 39
Serial water debt	457,500 00
<hr/>	
Net water debt March 31, 1930	\$470,682 39

Funded Water Debt

Date of Issue	Interest	From	Due	Amount
May 1, 1906	4	30	May 1, 1936	\$280,000 00
June 1, 1907	4	30	June 1, 1937	49,000 00
July 1, 1907	4	30	July 1, 1937	25,000 00
June 1, 1908	4	20	June 1, 1928	20,000 00
Aug. 1, 1908	4	30	Aug. 1, 1938	17,000 00
Mar. 1, 1911	3½	30	Mar. 1, 1941	16,500 00
Dec. 1, 1911	3½	30	Dec. 1, 1941	10,000 00
				<hr/>
				\$417,500 00

Serial Loans of Water Department

Due year ending March 31, 1931	\$32,000 00
Due year ending March 31, 1932	32,000 00
Due year ending March 31, 1933	32,000 00
Due year ending March 31, 1934	31,000 00
Due year ending March 31, 1935	28,500 00
Due year ending March 31, 1936	28,500 00
Due year ending March 31, 1937	27,500 00
Due year ending March 31, 1938	27,500 00
Due year ending March 31, 1939	25,500 00
Due year ending March 31, 1940	25,500 00

Due year ending March 31, 1941.....	\$25,500 00
Due year ending March 31, 1942.....	25,500 00
Due year ending March 31, 1943.....	25,500 00
Due year ending March 31, 1944.....	12,500 00
Due year ending March 31, 1945.....	12,500 00
Due year ending March 31, 1946.....	11,000 00
Due year ending March 31, 1947.....	11,000 00
Due year ending March 31, 1948.....	11,000 00
Due year ending March 31, 1949.....	11,000 00
Due year ending March 31, 1950.....	11,000 00
Due year ending March 31, 1951.....	11,000 00
	<hr/>
	\$457,500 00

During the year serial bonds were paid to the amount of \$33,000 and bonds from the funded water debt to the amount of \$10,000.

The surplus receipts year ending March 31, 1918.....	\$33,543 71
The surplus receipts year ending March 31, 1919.....	105,994 89
The surplus receipts year ending March 31, 1920.....	71,060 28
The surplus receipts year ending March 31, 1921.....	80,242 80
The surplus receipts year ending March 31, 1922.....	25,182 90
The surplus receipts year ending March 31, 1923.....	113,295 39
The surplus receipts year ending March 31, 1924.....	12,528 94
The surplus receipts year ending March 31, 1925.....	27,414 64
The surplus receipts year ending March 31, 1926.....	50,465 05
The surplus receipts year ending March 31, 1927.....	59,115 08
The surplus receipts year ending March 31, 1928.....	39,606 50
The surplus receipts year ending March 31, 1929.....	62,673 42
The surplus receipts year ending March 31, 1930.....	96,501 04

Statements of yearly revenue received from water rates since the purchase of the works by the City:

From April 28, 1865, to December 1, 1865.....	\$32,367 19
From December 1, 1865, to December 1, 1866.....	40,073 27
From December 1, 1866, to December 1, 1867.....	33,733 62
From December 1, 1867, to December 1, 1868.....	63,747 42
From December 1, 1868, to December 1, 1869.....	76,149 30
From December 1, 1869, to December 1, 1870.....	92,605 95
From December 1, 1870, to December 1, 1871.....	111,782 65
From December 1, 1871, to December 1, 1872.....	127,201 30
From December 1, 1872, to December 1, 1873.....	146,117 32
From December 1, 1873, to December 1, 1874.....	153,634 27
From December 1, 1874, to December 1, 1875.....	138,880 37
From December 1, 1875, to December 1, 1876.....	179,166 76
From December 1, 1876, to December 1, 1877.....	154,843 59
From December 1, 1877, to December 1, 1878.....	157,443 91
From December 1, 1878, to December 1, 1879.....	164,681 90
From December 1, 1879, to December 1, 1880.....	173,325 49
From December 1, 1880, to December 1, 1881.....	170,062 73
From December 1, 1881, to December 1, 1882.....	177,430 80
From December 1, 1882, to December 1, 1883.....	179,361 89
From December 1, 1883, to December 1, 1884.....	161,526 27
From December 1, 1884, to December 1, 1885.....	185,544 36
From December 1, 1885, to December 1, 1886.....	199,404 43
From December 1, 1886, to December 1, 1887.....	204,748 64
From December 1, 1887, to December 1, 1888.....	211,156 27
From December 1, 1888, to December 1, 1889.....	221,124 70
From December 1, 1889, to December 1, 1890.....	231,116 32

From December 1, 1890, to December 1, 1891.....	\$227,054 53
From December 1, 1891, to December 1, 1892.....	237,527 08
From December 1, 1892, to December 1, 1893.....	212,219 78
From December 1, 1893, to December 1, 1894.....	250,032 71
From December 1, 1894, to December 1, 1895.....	268,813 62
From December 1, 1895, to December 1, 1896.....	281,030 00
From December 1, 1896, to December 1, 1897.....	291,457 62
From December 1, 1897, to December 1, 1898.....	267,129 78
From December 1, 1898, to December 1, 1899.....	302,569 00
From December 1, 1899, to December 1, 1900.....	319,479 37
From December 1, 1900, to December 1, 1901.....	320,468 01
From December 1, 1901, to December 1, 1902.....	323,000 53
From December 1, 1902, to December 1, 1903.....	333,777 34
From December 1, 1903, to December 1, 1904.....	339,109 27
From December 1, 1904, to December 1, 1905.....	343,916 00
From December 1, 1905, to December 1, 1906.....	355,768 47
From December 1, 1906, to December 1, 1907.....	373,151 35
From December 1, 1907, to March 31, 1909 (16 months).....	410,533 41
From April 1, 1909, to March 31, 1910.....	351,264 86
From April 1, 1910, to March 31, 1911.....	375,722 42
*From April 1, 1911, to March 31, 1912.....	353,891 02
From April 1, 1912, to March 31, 1913.....	385,475 71
From April 1, 1913, to March 31, 1914.....	383,342 41
From April 1, 1914, to March 31, 1915.....	396,827 26
From April 1, 1915, to March 31, 1916.....	394,908 36
From April 1, 1916, to March 31, 1917.....	401,607 91
From April 1, 1917, to March 31, 1918.....	358,335 70
From April 1, 1918, to March 31, 1919.....	423,906 10
From April 1, 1919, to March 31, 1920.....	403,250 84
From April 1, 1920, to March 31, 1921.....	453,775 94
From April 1, 1921, to March 31, 1922.....	441,109 10
From April 1, 1922, to March 31, 1923.....	486,098 14
From April 1, 1923, to March 31, 1924.....	500,193 02
From April 1, 1924, to March 31, 1925.....	490,487 73
From April 1, 1925, to March 31, 1926.....	512,219 95
From April 1, 1926, to March 31, 1927.....	525,034 28
From April 1, 1927, to March 31, 1928.....	517,487 82
From April 1, 1928, to March 31, 1929.....	535,736 67
From April 1, 1929, to March 31, 1930.....	564,378 31

*Reduction in water rates.

PUMPING STATION, ETC.

The addition to the Pumping Station for the accommodation of our new twenty million cross compound steam pump has been completed and the pump has been installed. It was placed in commission on January 21, 1930, and since that time has worked at intervals for thirty-seven days.

Because of a defect in a cylinder which is being properly cared for by the Worthington Pump and Machinery Company, a delay has resulted in the acceptance of the pump by the Water Board.

Attending the construction of the addition to the station, it has been necessary to rearrange the interior of the old station

at quite an expense, which we were able to finance from funds already appropriated, without asking for additional appropriation.

A garage for the accommodation of two cars has been built on the premises which are occupied by the Chief Engineer of the Pumping Station.

CONSUMPTION OF WATER

	Gallons
The total pumpage of water for the year ending April 1, 1930	4,729,269,480
The total pumpage of water for the year ending April 1, 1929	4,493,356,100
Showing an increase of	235,913,380
The daily average pumpage during 1929-1930	12,956,902
The daily average pumpage during 1928-1929	12,310,564
An increase of	646,338
The daily average per capita is 103 gallons.	

METERS

Fifty-four per cent of our supplies are metered. They are set on

domestic and industrial services	8,877
public buildings and city services	83
fire supplies	65
	9,025

RESERVOIRS

In Fresh Pond Reservoir, the elevation of the water is 14.89. The lowest elevation noted in this basin during the year was 13.34 on January 10, 1930.

In Stony Brook Reservoir, the elevation of the water is 83.20. The lowest elevation noted in this basin during the year was 70.14 on December 17, 1929.

In Hobbs Brook Reservoirs, the elevation of the water is 177.49. The lowest elevation noted in these basins was 173.73 on December 31, 1929. In this basin the water has not been at so low an elevation since 1910. Although from this low mark the elevation has raised four feet, the water is lower than we care to have it at this time of year, and while there is no immediate danger, the Water Board is making a study for additional source of supply, and City Engineer, Mr. Hastings, will soon decide what measures to recommend The overflow from Stony Brook into the Charles River was 1,894,741,000 gallons.

Because of possible pollution to the water, it has been necessary to refuse a permit to the Boy Scouts who have enjoyed the privileges of camping on our Hobbs Brook Reservation. The Board has asked the Master to remove the building that had been erected.

Two boats have been purchased; one for Stony Brook and one for Hobbs Brook Reservations.

Payson Park Reservoir has again been emptied for inspection, and by the insertion of expansion joints, the existing leakage has been stopped.

In September the department improved the sanitary condition of the gate house at Payson Park Reservoir. We built in a toilet, connected it to the Belmont Sewer and had Belmont lay a water supply. We also installed an oil heating outfit.

On Lakeview Avenue and Worthington Street, the Board has sold lots of land for \$3,500. This amount has been credited to the Water Department account.

The department reserved the right for maintenance of the water pipes now existing in said lots on Worthington Street.

The Board, complying with the requirements of the State Board of Health, has been obliged to refuse to grant the privilege to Middlesex Sportsmen's Associates, who requested a permit to remove fish from Fresh Pond for propagation purposes.

FILTRATION PLANT

The Water Board voted to issue an invitation to the general public to visit the Filtration Plant and the Reservoirs owned by the department. It would seem as if every inhabitant of Cambridge ought to have some knowledge of the method by which the Cambridge water is purified and the protection that is given by this treatment to the City.

The Board has given permission to the chemists to change the chemicals, as they may determine, to neutralize any harmful action that would effect the supply and main pipes in the City.

This permission was granted after an exhaustive test was made in our plant by the representatives of Harvard University and our chemists. The elevator has received extensive repairs.

The plant was not in operation during the time that the broken force main was being repaired. As the General Superintendent has considered it most important, the Board has voted

to make an auxiliary connection to our distributing main so that the Filtration Plant will be supplied with water at all times. The plant was formerly connected only to the force main. In the event of any future trouble in the force main, the plant will be equipped for the emergency.

MISCELLANEOUS

It has been a loss for the Water Board to part with two of its members this year. Mr. Bernard E. McDermott, who has been a member since 1910, resigned because of his ill health. He was made president of the Board on May, 1928, and served in that capacity until his resignation was accepted by Mayor Russell in 1930.

Mr. Joseph E. Doherty resigned because of pressure of other business. He had been a member of the Board since 1909, and gave his valued services and coöperation during the twenty years that he was associated with the Water Board.

The Water Board hereby places on record its appreciation of the long and interested services given so freely by these two members whose knowledge of water supply requirements was so valuable.

Mayor Quinn appointed Dr. George F. McInnes to fill one of vacancies made by these resignations, and this appointment was confirmed by the City Council in July, 1929. There has been no appointment made yet to fill the second vacancy.

The Civil Service Commission has investigated the department this year to compare its roster with our labor list and to check up the employees at work to determine if they were employed in the classification for which they had been certified. The investigation evidently was satisfactory.

A communication from the Mayor and City Council instructed the Board to grant leave of absence for thirty days to all veterans in the Water Department who are members of the 104 Infantry Y. D. to attend the convention in Paris.

Also to grant leave of absence without loss of pay to the veterans of the Civil, Spanish, and World Wars to attend the convention.

Respectfully submitted,

MARTIN A. FEELEY,
THOMAS E. KENNEDY,
HENRY L. SKELLEY,
DR. GEORGE F. MCINNES.

REPORT OF THE GENERAL SUPERINTENDENT OF THE CAMBRIDGE WATER WORKS

Cambridge, Mass., April 1, 1930.

To the Honorable Water Board:

The annual report of the General Superintendent for the year ending March 31, 1930, is hereby respectfully submitted.

The financial report, which has formerly been compiled by our Registrar, is incorporated in the report of the General Superintendent, from figures submitted by the Chief Clerk.

Amount of bills unpaid March 31, 1929:

Water rates (fractional)	\$261 85	
Water rates (schedule)	2,246 15	
Water rates (meters)	3,341 00	
	<hr/>	\$5,849 00
Supplies	\$970 49	
Supplies renewed	1,760 33	
Maintenance	1,849 83	
Maintenance, building	4 50	
Maintenance, cleaning supplies	55 00	
Maintenance, setting meters	343 68	
Off and on	14 00	
Seals	6 75	
Rents	28 00	
	<hr/>	\$5,032 58
		<hr/>
		\$10,881 58

Amount of bills placed in hands of the City Treasurer for collection from April 1, 1929 to March 31, 1930:

Annual rates (schedule)	\$98,065 50	
Fractional rates (schedule)	1,711 60	
Meter rates	443,609 20	
New supplies	4,766 51	
Off and On, seals and rents	1,402 90	
Maintenance and building accounts	31,477 78	
	<hr/>	\$581,033 49

There have been collected:

Water rates (schedule)	\$95,068 35	
Water rates (meters)	432,804 72	
Miscellaneous, supplies, repairs, etc.	17,751 38	
Off and on	113 00	
Seals	26 00	
Rents	1,269 90	
Building	14 00	
General	17,330 96	
	<hr/>	
Net receipts from all sources		\$564,378 31

There have been abated:

Schedule rates.....	\$1,352 05	
Meter rates.....	60 70	
Miscellaneous.....	66 57	
	<hr/>	\$1,479 32

There remains uncollected:

Water rates (meters).....	\$18,096 38	
Water rates (schedule).....	5,293 25	
Water rates (fractional).....	449 30	
	<hr/>	\$23,838 93
Supplies.....	\$693 44	
Supplies renewed.....	3,127 07	
Maintenance.....	1,799 75	
Maintenance, cleaning.....	90 00	
Maintenance, setting meters.....	351 36	
Off and on.....	6 00	
Seals.....	5 75	
Rents.....	25 00	
	<hr/>	6,098 37
		<hr/>
		\$29,937 30

EXPENDITURES

Maintenance		
General Account.....	\$275,526 42	
Pumping Account.....	59,750 37	
Reservoirs Account.....	54,755 39	
Filtration Account.....	44,845 09	
Serial bond paid.....	33,000 00	
	<hr/>	\$467,877 27
Pumping Construction (Pump and house).....		74,266 67
Payson Park Reservoir repairs.....		6,283 41
		<hr/>
		\$548,427 35
Refunds, from April 1, 1929 to March 31, 1930.....		\$905 15

(This amount is treated in Maintenance General Account F 14 as an expenditure.)

COMPARATIVE STATEMENT

	1928-1929	1929-1930
Received from all sources...	\$535,736 67	\$564,378 31
Expended: Maintenance general, pumping, reservoirs, filtration, interest, serial bonds, etc.....	\$473,063 25	\$467,877 27
Balance due Water Works..	62,673 42	96,501 04
	<hr/>	<hr/>
	\$535,736 67	\$564,378 31

The foregoing surplus receipts \$96,501.04 for the year 1929-1930 and \$3,500 for sale of land are retained in the City Treasury to the credit of the Water Department as required by law.

Comparison of Pumpage

	Pumpage for Year Ending March 31, 1930	Pumpage for Year Ending March 31, 1929	Decrease	Increase
	1929	1928		
April.....	365,247,800	343,706,600		21,541,290
May.....	397,861,200	365,887,600		31,973,600
June.....	401,049,800	348,871,600		52,178,200
July.....	402,028,800	374,916,600		27,112,200
August.....	417,580,400	387,820,400		29,760,000
September.....	392,421,800	379,208,400		13,213,400
October.....	410,069,600	397,608,000		12,461,600
November.....	387,424,400	356,674,400		30,750,000
December.....	399,700,400	387,760,400		11,940,000
	1930	1929		
January.....	400,261,080	388,406,100		11,854,980
February.....	366,405,490	355,534,200		10,871,290
March.....	389,218,710	406,961,800	17,743,090	
Total.....	4,729,269,480	4,493,356,100		235,913,380
Net increase.....				

Comparative Total Pumpage During the Past Twelve Years
Fiscal Year Ends March 31

Year	Annual Pumpage	Increase or Decrease	Average Daily Pumpage	Increase or Decrease	Average Daily Pumpage Per Cap.	Estimated Population
	Gallons	Gallons	Gallons	Gallons	Gallons	
1919	3,900,317,100	142,903,700 increase	10,685,800	391,518 increase	93.73	114,000
1920	3,990,502,200	90,185,100 increase	10,903,011	217,211 increase	94.89	114,900
1921	4,043,917,000	53,414,800 increase	11,079,224	176,213 increase	96.42	114,900
1922	4,042,409,300	1,507,700 decrease	11,075,094	4,130 decrease	96.38	114,900
1923	4,149,105,600	106,696,300 increase	11,367,412	292,318 increase	98.00	114,900
1924	4,369,863,900	220,758,300 increase	11,939,519	572,107 increase	103.00	114,900
1925	4,269,098,000	100,765,900 decrease	11,696,159	243,360 decrease	97.00	120,053
1926	4,354,956,100	85,858,100 increase	11,931,386	235,227 increase	99.00	120,053
1927	4,501,195,400	146,239,300 increase	12,332,042	400,656 increase	103.00	119,667
1928	4,379,248,600	121,946,800 decrease	11,965,160	366,882 decrease	97.00	123,000
1929	4,493,356,100	114,107,500 increase	12,310,564	345,404 increase	98.00	125,000
1930	4,729,269,480	235,913,380 increase	12,956,902	646,338 increase	103.00	125,000

Rainfall 1929-1930

	Fresh Pond Reservoir	Stony Brook Reservoir	Hobbs Brook Reservoir
1929			
April.....	8.13	7.58	6.78
May.....	3.18	2.97	3.00
June.....	3.09	3.97	3.48
July.....	.90	.93	.70
August.....	1.69	2.12	3.64
September.....	1.18	1.21	2.11
October.....	2.41	3.03	2.58
November.....	2.81	3.15	2.69
December.....	2.97	3.90	3.83
1930			
January.....	2.11	2.10	2.38
February.....	1.78	2.26	2.12
March.....	2.61	3.28	3.08
Total.....	32.86	36.50	36.39

Total Rainfall for the Past Twelve Years

	Fresh Pond Reservoir	Stony Brook Reservoir	Hobbs Brook Reservoir
	Inches	Inches	Inches
1919.....	36.81	41.24	39.87
1920.....	45.20	51.33	21.37*
1921.....	40.52	44.21	44.44
1922.....	43.63	44.11	47.62
1923.....	48.22	50.74	48.54
1924.....	28.44	37.09	37.75
1925.....	29.40	43.27	41.59
1926.....	39.08	44.27	42.02
1927.....	35.86	39.63	33.96
1928.....	38.45	46.98	43.42
1929.....	38.78	46.28	42.00
1930.....	32.86	36.50	36.39

* For six months only.

FRESH POND PUMPING STATION

	RUNNING TIME				PUMPAGE		COAL CONSUMED		Rainfall	Average Height of Pond
	Engine No.	No. of Days	Total Hours	Daily Average	Total	Daily Average	Total	Daily Average		
1929										
April.....	{ 2	2	58	16.50	365,247,800	12,174,926	538,200	17,940	8.13	16.24
May.....	7	28	437	15.95	397,861,200	12,834,232	565,500	18,241	3.18	16.73
June.....	7	31	494½	16.61	401,049,800	13,368,326	568,800	18,960	3.09	17.05
July.....	7	30	498½	16.15	402,028,800	12,968,670	576,500	18,597	.90	16.88
August.....	7	31	500¾	16.69	417,580,400	13,470,335	603,300	19,461	1.69	16.58
	{ 1	}	517½							
	2		104							
September.....	{ 7	4	97							
	7	26	426	16.37	392,421,800	13,080,726	643,800	21,460	1.18	15.79
October.....	7	31	510½	16.47	410,069,600	13,228,051	621,300	20,041	2.41	15.10
November.....	7	30	480	16.00	387,424,400	12,914,146	581,300	19,376	2.81	14.32
December.....	7	31	498	16.06	399,700,400	12,893,561	599,800	19,348	2.97	13.69
1930										
January.....	*7	31	509¾	16.44	400,261,080	12,911,647	600,700	19,377	2.11	13.64
February.....	{ 4	2	460¼	16.43	366,405,490	13,085,910	558,400	19,942	1.78	13.82
	7	26								
March.....	{ 7	14	474¾	15.31	389,218,710	12,555,442	589,600	19,019	2.61	14.28
	7	17								
	{ 4									
Total.....		365	6066½		4,729,269,480		7,047,200		32.86	
Daily Average.....				16.34		12,956,902		19,307		15.35

* New Worthington pump was in use part of 8 days.

FRESH POND

		Elevations			Rainfall by the Month	Pumpage
		Highest During Month	Lowest During Month	Average		
1929						
April	5.....	16.59				
April	23.....		15.80	16.24	8.13	365,247,800
May	1.....		16.17			
May	31.....	17.25		16.73	3.18	397,861,200
June	1.....	17.26				
June	21.....		16.74	17.05	3.09	401,049,800
July	18.....		16.83			
July	31.....	16.94		16.88	.90	402,028,800
August	1.....	16.94				
August	31.....		16.11	16.58	1.69	417,580,400
September	1.....	16.10				
September	30.....		15.26	15.79	1.18	392,421,800
October	3.....	15.29				
October	31.....		14.74	15.10	2.41	410,069,600
November	1.....	14.70				
November	30.....		13.97	14.32	2.81	387,424,400
December	1.....	13.96				
December	28.....		13.47	13.69	2.97	399,700,400
1930						
January	10.....		13.34			
January	14.....	13.80		13.64	2.11	400,261,080
February	13.....		13.70			
February	28.....	13.90		13.82	1.78	366,405,490
March	1.....		13.90			
March	31.....	14.80		14.28	2.61	389,218,710
Total.....					32.86	4,729,269,480
Average Daily.....				15.35		12,956,902

PUMPING STATISTICS

1. Builders of pumping machinery: one Leavitt engine of 20,000,000 gallons capacity per 24 hours, built by Groshon High Duty Pumping Engine Company. Two Worthington Compound Duplex engines of 5,000,000 gallons capacity each per 24 hours. Total capacity, 30,000,000 gallons per 24 hours.
2. Description of fuel: Kind, bituminous. Brand and price of coal, "New River," at \$5.78 per ton.
3. Coal consumed during year, 7,047,200 pounds. Daily average coal consumed, 19,307 pounds. Coal per million gallons pumped, 1,490 pounds. Total pumpage for the year with 4% allowance for slip, on Leavitt engine, 4,729,269,480 gallons. Daily average, 12,956,902 gallons.
4. Average static head against which the pump works, 163.15.
5. Average dynamic head against which the pump works, 198.35.
6. Duty for eight months wherein the pumpage was done by the Leavitt engine only, 112,778,606.
7. Cost of pumping figured on pumping station expenses, viz.: \$59,750.37.
8. Per million gallons pumped, \$12.63.
9. Per million gallons raised one foot (dynamic), \$.06 4/10.

STATISTICS OF CONSUMPTION OF WATER

For the year extending from April 1, 1929, to March 31, 1930.

Total population, census of 1925, 119,667 (corrected).

Estimated population supplied on lines of pipes, 125,000.

Total pumpage for the year, 4,729,269,480 gallons.

Average daily pumpage, 12,956,902 gallons.

Gallons per day to each inhabitant (pumpage), 103.

Gallons per day to each tap in use (pumpage), 773.

Total cost of supplying water per million gallons pumped figured on "Total Maintenance" (\$467,877.27), \$98.94.

Cost of supplying water per million gallons, figured on "Operating Expenses" (\$360,569.38), \$76.25.

Cost of filtering water per million gallons (\$44,845.09), \$9.48.

SUMMARY OF STATISTICS

In form recommended by the New England Water Works Association

CAMBRIDGE WATER WORKS

Cambridge, Middlesex County, Massachusetts

GENERAL STATISTICS

Population by census 1920, 109,456; 1925, 119,667.

Estimated population March 31, 1930, 125,000.

"Cambridge Water Works Corporation" was chartered in 1852 and organized in 1853.

The works were constructed in 1855, Mr. John Blake, consulting engineer, and came into possession of the city by purchase in 1865, when they were called "Cambridge Water Works."

The original source of supply was Fresh Pond in Cambridge and Belmont, which was enlarged by connection via conduit with Wellington Brook and Spy Pond, Arlington. The waters of these additional sources were adjudged unfit for domestic use in 1880 and since that time have not been utilized for a supply in Cambridge.

In 1887 Fresh Pond was augmented by a storage reservoir which had been constructed on Stony Brook, located in Weston and Waltham. The waters from this brook are brought to Cambridge by a conduit, originally a thirty-inch cast iron pipe, which was laid through Waltham and Watertown to Fresh Pond Reservoir. This extension of the works was made under the direction of Mr. Henry N. Crafts, as consulting engineer, and our City Engineer, Mr. W. S. Barbour.

The population of the city was about 60,000 in 1887.

In 1897, an additional provision was made for storing water by the construction of two large reservoirs artificially formed by constructing two dams across Hobbs Brook, which is a tributary of Stony Brook, and flows through Lexington and Lincoln. Payson Park Distributing Reservoir also was completed in 1897. Consulting engineers, Mr. A. Fteley and Messrs. Rice and Evans, and our City Engineer, Mr. L. M. Hastings, directed the construction of these reservoirs.

The population was about 87,500 in 1897.

In 1905 and 1906, two sections of the Stony Brook pipe line were rebuilt; the new conduit was made of concrete, sixty-three inches in diameter. Another part was rebuilt in 1908, when a new thirty-inch main of cast iron was laid to replace 1,500 feet of old thirty-inch line which has been abandoned. The consulting engineer for the concrete conduit was Mr. Freeman C. Coffin, assisted by our City Engineer, Mr. L. M. Hastings. The new thirty-inch main was laid under the supervision of the Water Works Superintendent, Mr. E. C. Brooks.

The conduit is constructed as follows:

From Fresh Pond to beyond Holmes Street	1,024 feet of 63-inch concrete
From Holmes Street to beyond Holworthy Place	470 feet of 42-inch cast iron
From Holworthy Place to River Street (Waltham) . . .	25,867 feet of 63-inch concrete
From River Street to Waltham Pumping Station . . .	8,710 feet of 30-inch cast iron
From Waltham Pumping Station to gate house at dam	5,003 feet of 36-inch cast iron
	<hr/> 41,074

There also are 747 feet of 30-inch under the dam at Stony Brook Reservoir.

In 1928 the efficiency of this conduit was increased by cleaning the 36-inch and 30-inch cast iron main from the Stony Brook dam to River Street. The capacity is now estimated at 16,000,000 gallons daily.

Mode of supply: gravity from Hobbs Brook and Stony Brook storage reservoirs to Fresh Pond Filtration Plant; thence by pumping, through the 40-inch steel pumping main to Payson Park distributing reservoir; thence, by gravity, to consumers through the 40-inch steel distributing main. The Leavitt engine, of 20,000,000 gallons capacity, is connected with this steel main.

In case of necessity, the water can be pumped direct from the pumping station through the 30-inch and 24-inch cast iron pumping mains into the 40-inch steel distributing main. The Worthington engines are used in connection with these mains and are held in reserve for any possible emergency.

The length of this 40-inch steel pumping main from the Pumping Station to Payson Park Reservoir is 8,392 feet and from the Payson Park Reservoir the 40-inch steel distributing main to the Cambridge Common is 14,924 feet; total, 23,316 feet.

In December, 1927, the work on the leak, which had existed for over twenty years in Payson Park Reservoir, was completed.

We now can use the full storage capacity, 43 million gallons, of the reservoir. The extensive repairs were made by the Rust Engineering Company, under the supervision of our City Engineer, Mr. L. M. Hastings, and our General Superintendent, Mr. T. W. Good. In 1929 expansion joints were inserted to correct the small leakage that existed.

METHOD OF PURIFYING CAMBRIDGE WATER

The water formerly flowing into Fresh Pond from Stony Brook is now diverted through a 42-inch pipe and enters the sedimentation basin (which has a capacity of 1,500,000 gallons). Here the chemical treatment takes place. The water then flows to the filter beds and passes through three feet of graduated sand and gravel, where all suspended matter, caused by coagulation after chemical treatment, is removed. The water then passes through an aerator, where all gases are removed, and finally receives chlorine in quantity sufficient to destroy all germs. The water then passes to the clear water basin (which has a capacity of 4,000,000 gallons), thence to the pumping station, whence it is pumped to Payson Park Reservoir for distribution to the consumers, by gravity.

In the event of insufficient flow from Stony Brook, a low lift pump room has been constructed, and provision has been made to pump the water, when necessary, from Fresh Pond direct to the sedimentation basin, through a unit of high speed centrifugal pumps. Of these, one is 10,000,000, two of 6,000,000 each, and one of 4,000,000 gallons capacity, and are sufficient to care for any emergency that may arise.

The plant has a capacity of filtering 15,000,000 gallons per day.

For the year ending March 31, 1930, our pumpage was 12,956,902 gallons per day.

Our storage capacity, figured at high elevations in our reservoirs, is at

Hobbs Brook (elevation 183.25)	3,181,000,000 gallons
Stony Brook (elevation 83.00)	402,000,000 gallons
Fresh Pond (elevation 16.85)	700,000,000 gallons
Payson Park (elevation 178.50)	43,000,000 gallons

Total 4,326,000,000 gallons

STATISTICS RELATING TO DISTRIBUTING SYSTEM

Our forty-inch pumping main to and distributing main from Payson Park Distributing Reservoir are of steel.

The main pipes are of cast iron (2-inch and smaller of lead lined pipe).

Sizes 2-inch to 40-inch.

Extensions during the year, 1,974 feet.

Total now in use:

2-inch	8,335	
3-inch	1,400	
4-inch	70,268	
6-inch	383,856	
8-inch	102,382	
10-inch	34,799	
12-inch	87,478	
16-inch	11,605	
20-inch	25,177	
24-inch	15,367	
30-inch	1,357	
40-inch	550	
	<hr/>	742,574 feet or 140.65 miles

Forty-inch steel main, 23,316 feet or 4.41 miles.

Total number of leaks:

On basins	167	
On bath tubs	201	
On set tubs	180	
On faucets	2,140	
On toilets	1,058	
	<hr/>	
Found by Inspectors on canvass, total . .		3,746
On main pipes	24	
On gates	11	
On hydrants	8	
On supplies	199	
*On street-water standpipe	1	
†On drinking fountain	1	

* Rindge Avenue.
† Inman Square.

<i>Brought forward</i>	244	
On blow-off	1	
	<hr/>	245
Total		<hr/> 3,991

In February a leak occurred in our 40-inch force main which extends from the pumping station to Payson Park Reservoir; for ten days this line was out of commission. No leaks were caused by electrolysis during this year.

MAIN PIPE

	Pipe		Gates	
	Feet	Size Inches	Kind	Size Inches
Burleigh Street, in connection with 10-inch fire main for Lever Bros. .			Rens.	10
Burleigh Street, on connection to Harvard Street			Rens.	10
Burleigh Street, 96 feet north from Harvard Street			Rens.	10
Burleigh Street, 164 feet north from Harvard Street			Rens.	10
Burleigh Street, on 10-inch fire supply			Rens.	10
Burleigh Street, on 10-inch fire supply			Rens.	10
Cambridge Cemetery			Crane	4
Divinity Avenue, extending	417	6		
Divinity Avenue, 61 feet from University Museum			Crane	6
Foch Street, to Murray Hill Road, connecting	24	6		
Garden Street, extending to Ivy Street	136	6		
Garden Street, at Ivy Street west			Crane	6
Hingham Street, at Memorial Drive			Crane	6
Holworthy Street, from Huron Avenue south	192	6		
Holworthy Street, at Huron Avenue south			Rens.	6
Holworthy Street, at bend			Crane	6
Holyoke Place, at angle			Rens.	6
Memorial Drive, at Akron Street north			Rens.	8
Memorial Drive, at Akron Street south			Rens.	8
Memorial Drive, at Cowperthwaite Street			Crane	6
Memorial Drive, at Flagg Street south			Rens.	8
Memorial Drive, at Hingham Street south			Crane	8
Memorial Drive, at Hingham Street north			Crane	8
Memorial Drive, at Stirling Street south			Rens.	8
New Street, from Concord Avenue	560	6		
New Street, at Concord Avenue			Rens.	6
Prospect Street, opposite No. 378			Rens.	10
Stirling Street, at Memorial Drive			Crane	6
Stirling Street, near Memorial Drive (on hydrant)			Crane	6
Tannery Street, at Tannery Brook	42	6		
Tannery Street, at Tannery Brook north			Crane	6
Tannery Street, at Tannery Brook south			Crane	6
Waterman Road, from Standish Street	194	4		
Waterman Road, at Standish Street			Rens.	4
Waterman Road, at end of road			Crane	4 .
Used on hydrants	150	6		

In Memorial Drive the 8-inch main has been relocated by the contractor who is building the Harvard University tunnel which will occupy the location formerly used by the 8-inch pipe. The new 8-inch pipe was furnished by the contractor.

MAIN PIPE

	10 Inch	8 Inch	6 Inch	4 Inch	Total
Length, in feet, of cast iron pipe			1,371	194	1,565
Number of hydrants					23
Number of gates on hydrants					11
Number of gates on main pipe	6	6	12	3	27
Number of boxes					33

HYDRANTS

	Removed	Installed	Equipped with 6-inch Gate
Andrews Street, 9 feet north-east from Allston Street.....	Boston	Corey	Rens.
Brattle Street, at Fresh Pond Lane.....		Corey	
Bridge Street, at No. 211.....			Rens.
Burleigh Street, on west side at Lever Bros.....		Corey	
Concord Avenue, near Penn Metal Company (Broken)....	Chapman	Chapman	Rens.
Concord Avenue, near Railroad Crossing (Relocated).....			
Concord Avenue, at Superior Laundry.....		Corey	Rens.
DeWolf Street, at Bow Street.....	Boston	Corey	
Divinity Avenue, opposite No. 37.....	Chapman	Corey	Crane
Dunster Street, at Mt. Auburn Street.....	Boston	Corey	
Ellery Street, at No. 9 (Relocated).....	Kennedy	Corey	Crane
Gore Street, at No. 128 (Relocated).....			
Harvey Street, in Dewey and Almy's Yard (Relocated)....			Rens.
Kirkland Street, at Trowbridge Street (broken).....	Chapman	Chapman	
Lawrence Street, 73 feet south-east from Niagara Street..	Chapman	Corey	Crane
Madison Street, 22 feet west from Garden Street.....		Corey	
Madison Street, at No. 20 (relocated).....			Rens.
Massachusetts Avenue, at Holmes Place (relocated).....			
Massachusetts Avenue, at No. 2534 opposite Tannery Street (relocated).....	Kennedy	Corey	Rens.
Memorial Drive at Akron.....	Holyoke	Corey	
Memorial Drive near Hoffman's.....	Holyoke	Corey	Rens.
Mt. Auburn Street, on Cambridge Hospital Premises.....		Corey	
Mt. Auburn Street, near Cambridge Hospital.....		Corey	Rens.
New Street, at Street Dept. garage.....		Corey	
Norfolk Street, opposite Washington Street (relocated)...	Chapman	Corey	Rens.
Palermo Street, corner Windsor Street.....	Kennedy	Corey	
Portland Street, 153 feet from Harvard Street, opposite Lever Bros.....		Corey	Rens.
*Portland Street, in Boston Woven Hose Company Yard..			
Rutland Street, opposite No. 41 south side 86 feet from Langdon Street.....		Corey	Rens.
Windsor Street, at Broadway.....	Boston	Corey	

* Corey hydrant set to replace old one on premises.

TOTAL NUMBER OF HYDRANTS IN USE, 1,298	
Boston.....	54
Chapman.....	712
Coffin.....	38
Corey.....	169
Flush.....	1
Holyoke.....	176
Kennedy.....	76
Mathews.....	11
Perkins.....	61
	<u>1,298</u>

Number of hydrants added during year, 9.
Number of gates added during year on main pipes and hydrants, 38.
Range of pressure on mains, 55 to 60 pounds.

Twenty-seven defective hydrants were reported this year. Of these, twenty-one were broken or damaged by automobiles. As in former years, the expense of repairs was charged to the owners of the cars.

NEW SUPPLIES

Kind of pipe: galvanized iron, cast iron, tin-lined, lead-lined, cement-lined, and brass.

Extended during the year, 6,001 feet.

Sizes, $\frac{3}{4}$ -inch to 10-inch.

Number of supplies added during the year:

$\frac{3}{4}$ -inch	18
1-inch	76
1 $\frac{1}{4}$ -inch	7
1 $\frac{1}{2}$ -inch	8
2-inch	12
3-inch	1
4-inch	28
6-inch	18
8-inch	2
10-inch	1
	<hr/>
Total	171

Number in use at date, 16,768

*Average length of services for the past year, 32.9 feet.

*Average cost per supply includes large supplies, up to 6-inch, \$78.36.

Average cost per supply (labor), \$43.50.

Number of meters added during year, 342.

Total number of meters, 9,025.

Percentage of services (in use) metered, 54.

Forty-nine large supplies were laid during the year in sizes from 3-inch to 10-inch; of these nineteen were for fire protection.

Max Berger, 12 Wendell Street	4-inch
Emma M. Blackall, 16 Chauncy Street	4-inch
Blanchard Machine Co., State Street (fire)	6-inch
Boston Sand and Gravel Co., 116 First Street	4-inch
Cambridge Hospital, Mt. Auburn Street	6-inch
City of Cambridge, Mead Street (A. Lincoln School)	3-inch
City of Cambridge, Broadway (Roberts School)	4-inch
Fred H. Dow, 718 Main Street (fire)	6-inch
George Dow, 31 Brattle Street	4-inch
Fellows and Sons, 808 Memorial Drive	6-inch

* Averages do not include 8-inch and 10-inch supplies.

General Ice Cream Co., Second Street	4-inch
Charles A. Geilfuss, 58 Brookline Street (fire)	6-inch
George Realty Co., 54 Washburne Avenue (fire)	6-inch
Rosalie Guida, 9 Ware Street	4-inch
Rosalie Guida, 13 Ware Street	4-inch
Harvard University, 63 Mt. Auburn Street (Claverly Hall) (fire)	6-inch
Harvard University, In Yard (Holworthy Hall) (fire)	6-inch
Harvard University, In Yard (Matthews Hall) (fire)	6-inch
Harvard University, South Street (gymnasium)	4-inch
Harvard University, Winthrop Street (gymnasium)	4-inch
Harvard University, Memorial Drive (elevator)	4-inch
Harvard University, Memorial Drive (dormitory)	4-inch
Harvard University, Memorial Drive	4-inch
Harvard University, Holyoke Street (dormitory)	4-inch
Harvard University, Kirkland Street (Randall Hall)	4-inch
Harvard University, Plympton Street (dormitory)	4-inch
Houghton, Mifflin Co., Blackstone Street (fire)	8-inch
Ideal Furniture Co., 1217 Cambridge Street (fire)	6-inch
Lever Brothers, Burleigh Street (fire)	10-inch
Lever Brothers, Portland Street (fire, etc.)	6-inch
Liquid Carbonic Co., 136 Broadway (fire)	6-inch
Massachusetts Institute of Technology, Memorial Drive (boathouse) (fire)	6-inch
McKenzie & Thorner, 135 Main Street (fire)	6-inch
Middlesex County, Third Street (fire)	6-inch
John Moore Co., 221 Bridge Street	4-inch
Henry J. Moulton, 22 Concord Ave.	4-inch
*Olympia Theatre, 571 Massachusetts Avenue (refrigeration)	4-inch
R. H. Porters, 285 Harvard Street	4-inch
Porto Realty Co., 19 Wendell Street	4-inch
Radcliffe College, 5 Appian Way	4-inch
John Reardon's Sons, Waverly Street	4-inch
John P. Ryerson, Binney Street (fire)	8-inch
Sarah P. Scully <i>et al</i> , 88 First Street (fire)	6-inch
Shapiro and Allen, 25 Linnaean Street	4-inch
Shapiro and Allen, 36 Linnaean Street	4-inch
Shapiro and Allen, 42 Linnaean Street	4-inch
John J. Shine, 25 Garden Street	4-inch
Superior Laundry Co., 633 Concord Avenue (fire)	6-inch
George H. Sweetman, 282 Portland Street (fire)	6-inch

* Taken off 6-inch fire supply.

FIRE SUPPLIES

Nineteen (19) "fire" supplies have been laid during the year. The following list contains the number of (unmetered except where specified) fire supplies in commission at this date:

Adelson Estate, 544 Massachusetts Avenue	6-inch
Albiani Bros., 556 Main Street	6-inch
Allen & Endicott Building Co., 63 Albany Street	6-inch
American Rubber Co., Binney Street	6-inch
American Rubber Co., Potter Street	6-inch
American Circular Loom Co., Clarendon Avenue	6-inch
American Circular Loom Co., Tannery Street (metered)	2-inch
American Optical Co., 150 Broadway	6-inch
Ashton Valve Co., 161 First Street	6-inch
Associated Trust, 888 Massachusetts Avenue	2-inch
Atwood & McManus, 64 Aberdeen Avenue	6-inch

Barber Asphalt Paving Co., First Street	6-inch
Baretta, Mary, 336 Main Street	6-inch
Barta Press, The, Massachusetts Avenue	6-inch
Bell Confectionery Co., J. S., Sixth Street	6-inch
Berkshire Factory Trust, Amherst Street	6-inch
Blacker & Shepard Co., Osborn Street (metered)	1½-inch
Black & Knowles Steam Pump Works, Binney Street	8-inch
Blake & Knowles Steam Pump Works, Binney Street	6-inch
Blake & Knowles Steam Pump Works, Third Street	4-inch
Blanchard Machine Co., State Street	6-inch
Blanchard Machine Co., State Street	6-inch
Boston Book Binding Co. Inc., 21 Mt. Auburn Street	6-inch
Boston Book Binding Co. Inc., 21 Mt. Auburn Street	4-inch
Boston Book Binding Co. Inc., Arrow Street	4-inch
Boston Cafeteria Co., 22 Dunster Street	6-inch
Boston Confectionery Co., 814 Main Street	6-inch
Boston Confectionery Co., 29 State Street	6-inch
Boston Elevated Railway Co., Bennett Street	4-inch
Boston Elevated Railway Co., Baldwin Street	4-inch
Boston Elevated Railway Co., Massachusetts Avenue	4-inch
Boston Elevated Railway Co., Mt. Auburn Street	2-inch
Boston Elevated Railway Co., Mt. Auburn Street	4-inch
Boston Elevated Railway Co., Murray Street	4-inch
Boston Elevated Railway Co., Murray Street	6-inch
Boston Elevated Railway Co., Peabody Street	6-inch
Boston Elevated Railway Co., River Street	4-inch
Boston Elevated Railway Co., University Road	8-inch
Boston & Maine Railroad, Bridge Street	6-inch
Boston & Maine Railroad, Bridge and Water Streets	6-inch
Boston & Maine Railroad, East Street	6-inch
Boston & Maine Railroad — in Yard — Four Cambridge Hydrants.	
Burke, Thomas F., 881 Massachusetts Avenue (metered)	2-inch
Cambridge, City of, Raymond Street	2-inch
Cambridge, City of, Raymond Street	6-inch
Cambridge Electric Light Co., Western Avenue	6-inch
Cambridge Garage Co., 120 Mt. Auburn Street	6-inch
Cambridge Gas Light Co., Potter Street	6-inch
Cambridge Gas Light Co., Third Street	6-inch
Cambridge Gas Light Co., Second Street	6-inch
Cambridge Ice Co., Cottage Park Avenue	6-inch
Cambridge Mutual Fire Insurance Co., Massachusetts Avenue (metered)	2-inch
Cambridge Rubber Co., Main and Windsor Streets	6-inch
Cambridge Salvage and Supply Co., 197 Fifth Street	6-inch
Cambridge Salvage and Supply Co., Sixth and Broadway	6-inch
Cambridge Salvage and Supply Co., 81-83 Broadway	6-inch
Carter's Ink Co., First Street (metered)	4-inch
Carter's Ink Co., Athenaeum Street	6-inch
Climax Paper Box Co., 20-24 Cottage Park Avenue	4-inch
Close, George, Broadway	6-inch
Codman, Catherine A., Richdale Avenue	6-inch
College House Trust, 1436 Massachusetts Avenue	4-inch
College House Trust, 1434 Massachusetts Avenue	6-inch
Columbia Jewelry Co., Camp Street	6-inch
Commonwealth Custom Laundry, 348 Franklin Street (metered)	4-inch
Corcoran, Heirs of John H., 631 Massachusetts Avenue	6-inch
Corcoran, Heirs of John H., Massachusetts Avenue and Essex Street	6-inch
Corcoran, Joseph F., 62 Albany Street	6-inch
Corcoran Supply Co.	6-inch
Daggett Chocolate Co., Main and Ames Streets	6-inch
Daggett Trust, The, Ames Street	6-inch

Danberg Bros., 141 First Street	6-inch
Davenport, A. H., Cambridge Street	6-inch
Davenport, A. H., Otis Street	6-inch
Denara, Margaret, 33 Clark Street	6-inch
Dewey, Almy Chemical Co., 235 Harvey Street	6-inch
*Dewey Almy Chem. Co., Harvey Street	6-inch
Dodge, Haley Co., 18 Hurley Street	6-inch
Dodge Motor Vehicle Co., 29 Lansdowne Street	6-inch
Dover Stamping and Manufacturing Co., Pleasant Street	6-inch
Dow Co., John C., 220 Portland Street (metered)	2-inch
Dow, Fred H., 718 Main Street	6-inch
Eisenberg & Shapiro, 2419 Massachusetts Avenue	6-inch
Elliott Addressing Machine Co., 147-153 Albany Street	6-inch
Eustis Manufacturing Co., J. P., 12-16 Ames Street	6-inch
Fellows & Son, 810 Memorial Drive	6-inch
Field, Walter W., 39-41 Hayward Street	6-inch
Filene's Sons Co., Wm., Main and Memorial Drive	6-inch
Filene's Sons Co., Wm., Memorial Drive	6-inch
Fitzgerald, John F., 31 Main Street	6-inch
Flash Chemical Co., Second Street	6-inch
Flynn, T. J., Albany and Portland Streets	6-inch
Freedman, Morris, 197 Fifth Street	6-inch
Furbish, Fred B., 41 Church Street	4-inch
Geilfuss, Charles A., 58 Brookline Street	6-inch
General Radio, 38 State Street	6-inch
George Realty Co., 54 Washburne Avenue	6-inch
Ginn & Co., First Street	6-inch
Ginn & Co., Athenaeum Street	Two 6-inch
Ginn & Co., Munroe Street	6-inch
Ginsberg, Harris, 25 Pearl Street	6-inch
Goepper Brothers, Ninth Street (metered)	1 1/2-inch
Goldman, Lowe, 360 Prospect Street	6-inch
Graham & Company, James J., Otis Street	6-inch
Gray & Sons, Peter, Third Street	6-inch
Green Bros., 47 Austin Street	6-inch
Greer, J. W., 125 Sidney Street	6-inch
Greylock Candy Co., 414 Main Street	6-inch
Harvard Co-operative Society, Palmer Street	Two 6-inch
Harvard University, "Austin" Hall	6-inch
Harvard University, Banks Street	4-inch
Harvard University, Claverly Hall	6-inch
Harvard University, Harvard Hall	6-inch
Harvard University, Harvard Union	6-inch
Harvard University, 2 Holmes Place	6-inch
Harvard University, 29 Holyoke Street	4-inch
Harvard University, Holyoke Hall	6-inch
Harvard University, Jefferson Physical Laboratory	6-inch
Harvard University, Langdell Hall	4-inch
Harvard University, 1354 Massachusetts Avenue	6-inch
Harvard University, 479 Massachusetts Avenue	6-inch
Harvard University, Matthews Hall	6-inch
Harvard University, Memorial Hall (metered)	Two 4-inch
Harvard University, Kirkland Street (Delta Building)	6-inch
Harvard University, Observatory	6-inch
Harvard University, Oxford Street (Drill Hall)	6-inch
Harvard University, Oxford Street (Perkins)	6-inch
Harvard University, Semitic Museum	4-inch
Harvard University, Stillman Infirmary	6-inch
Harvard University, University Hall	6-inch

* Dewey, Almy supplies connected to crossover.

Harvard University, Weld Hall (1½" meter).....	6-inch
Haskell, Adams Co., 30 Henry Street.....	6-inch
Hasty Pudding Club, Holyoke Street.....	4-inch
Henderson Bros., 2069 Massachusetts Avenue.....	6-inch
Hews Co., A. H., Richdale Avenue.....	Two 4-inch
Hingham Knit Goods Co., Banks Street.....	6-inch
Holmes Real Estate Trust, 219 Central Square.....	6-inch
Holmes Real Estate Trust, 624 Massachusetts Avenue.....	6-inch
Hood Ice Cream Co., 155 Massachusetts Avenue.....	6-inch
Holy Ghost Hospital for Incurables, Cambridge Street.....	3-inch
Houghton & Dutton, 656 Main Street.....	6-inch
Houghton Mifflin Co., Blackstone Street.....	8-inch
Houghton Mifflin Co., River Street.....	6-inch
Howe, Estate of Otis, 748 Main Street.....	6-inch
Hyde, Abe R., 432 Columbia Street.....	6-inch
Ideal Furniture Co., 1217 Cambridge Street.....	6-inch
Irving & Casson, 108 Cambridge Street.....	6-inch
Irving & Casson, Cambridge Street.....	6-inch
Irving & Casson, 27 Otis Street.....	6-inch
Irving & Casson, Otis Street.....	Two 6-inch
Irving & Casson, Thorndike Street.....	Two 6-inch
Irving & Casson, Thorndike Street (metered).....	2-inch
Ivers & Pond Piano Co., Albany Street.....	4-inch
Ivers & Pond Piano Co., Main Street.....	6-inch
Jacobs, David, 60 First Street.....	6-inch
Johnson Marble Co., 37 Osborn Street.....	6-inch
Kendall Square Building Trust, 20 Hayward Street.....	6-inch
Klauer Bros., 345 Franklin Street.....	6-inch
Kramer, George, 11 State Street.....	6-inch
Kingston Knitting Co., Carleton and Deacon Streets.....	6-inch
Ladd & Barker, 11 Windsor Street.....	6-inch
Lamb & Ritchie, Albany Street.....	6-inch
Lever Brothers, Ltd., Broadway.....	6-inch
Lever Brothers, Ltd., Burleigh Street.....	10-inch
Lever Brothers, Ltd., Harvard Street.....	8-inch
Lever Brothers, Ltd., Harvard Street.....	6-inch
Lever Brothers, Ltd., Broadway.....	8-inch
Lever Brothers, Ltd., Portland Street.....	6-inch
Lever Brothers, Ltd., Portland Street.....	6-inch
Library Bureau, Albany Street.....	6-inch
Liquid Carbonic Co., 136 Broadway.....	6-inch
Little, Inc., A. D., Memorial Drive.....	6-inch
Little, Brown & Co., Putnam Avenue.....	6-inch
Little, Brown & Co., Blackstone Street.....	6-inch
Lovell & Hall, Whittemore Avenue.....	6-inch
Lualdi, Inc., Angelo, 6 Cambridge Street.....	6-inch
Macomber, George E., 128 Magazine Street.....	6-inch
Main Street Trust, Amherst Street.....	6-inch
Main Street Trust, Amherst Street.....	6-inch
Manhattan Market Co., 271 Green Street.....	6-inch
Manufacturers' National Bank Realty Trust, 226 Main Street.....	6-inch
Manufacturers' Bank Building Trust, Main Street.....	6-inch
Masonic Temple, 1594 Massachusetts Avenue.....	4-inch
Mason & Hamlin Co., Broadway.....	Two 6-inch
Massachusetts Institute of Technology (boat house).....	6-inch
McConnell Co., Erie and Waverly Streets.....	8-inch
McKenzie & Thorner, 137 Main Street.....	6-inch
McLean, Isaac, Mt. Auburn Street.....	4-inch
McLean, Isaac, "Brentford Hall".....	4-inch
Metropolitan Storage Warehouse Co., Massachusetts Avenue.....	6-inch

Middlesex County House of Correction, Second and Spring Streets	6-inch
Middlesex County, Third Street	6-inch
Moll, Blanche A., 820 Somerville Avenue	6-inch
Monk's Laundry, Norfolk Street	6-inch
Morse, Estate of A. P., 585 Massachusetts Avenue	6-inch
Mosaic Co., Pignat Vincenzie, 699 Mt. Auburn Street	6-inch
Myerson, Simon, 90 Hamilton Street	6-inch
National Biscuit Company, Franklin Street	4-inch
National Biscuit Company, Franklin Street	6-inch
National Biscuit Company, Green Street	8-inch
National Casket Company, 122 First Street	6-inch
National Casket Company, Bent Street	6-inch
National Company, 120 Brookline Street	4-inch
New England Cabinet Co., 37 Harris Street	6-inch
New England Confectionery Co., Cross Street	8-inch
*New England Confectionery Co., Massachusetts Avenue	8-inch
Newhall, C. A., 1420 Massachusetts Avenue	4-inch
Nichols, Annie W. H., Ames Street	6-inch
Nilson, Carl J., 36 Dickinson Street	6-inch
North American Chemical Co., 19 Chestnut Street	6-inch
North Packing & Provision Co., Windsor Street	6-inch
Olympia Theatre Co., Inc., Massachusetts Avenue	6-inch
O'Neil, Robert H., Jr., 47 Austin Street	6-inch
Oppenheim, Minnie and Annie, 1217 Cambridge Street	6-inch
Page Box Co., George G., Hampshire Street	Two 6-inch
Payne & Co., F. S., 75 Richdale Avenue	6-inch
Payne & Co., F. S., Richdale Avenue	6-inch
Peabody, Francis, Jr., et al., Claverly Hall	4-inch
Petterson, Oscar G., 183 Main Street	4-inch
Pierce, Trustees of Estate of Thomas, Broadway	6-inch
Pi Eta Club, Winthrop Square	2-inch
Poole Piano Co., Sidney Street	8-inch
Porter, Henry S., Kinnaird Street (metered)	4-inch
Porter, Henry S., Kinnaird Street	6-inch
Preble, George E., 798 Massachusetts Avenue	6-inch
Prest-o-Lite Co., Concord Avenue	6-inch
Prussian, Samuel W., 864 Main Street	6-inch
Radcliffe College, 8 Garden Street	6-inch
Reardon & Sons Corporation, John, Waverly Street (metered)	4-inch
Reardon, Edward, Erie Street (garage)	4-inch
Revere Sugar Refinery, Water Street	6-inch
Revere Sugar Refinery, Ninth Street	6-inch
Reversible Collar Co., Putnam Avenue	6-inch
Rice & Hutchins, Inc., Landsdowne Street	6-inch
Riverside Boiler Works, Harvard Street	4-inch
Riverside Boiler Works, Main Street	6-inch
Rosen, Henry, 287 Prospect Street	6-inch
Rosenbaum, Philip, 99 Broadway	6-inch
Ross & Co., William F., 201 Bridge Street	6-inch
Russell, Estate of Joseph G., 224 Albany Street	6-inch
Russell, Lucy J., 29 Elm Street (metered)	1 1/2-inch
Ryerson, John T., Binney Street	8-inch
Sacred Heart Parish, Seventh Street	4-inch
Salvi, Peter, 590 Main Street	8-inch
Sawyer & Son, Howard M., Thorndike Street	4-inch
Sawyer & Son, Howard M., Spring Street	6-inch
Sawyer & Son, Howard M., Second Street	6-inch
Scully, Francis P., First Street	6-inch
Scully, Sarah P., et al., 88 First Street	6-inch

*Tapped for garage.

Sears Roebuck & Company, 1815 Massachusetts Avenue.....	6-inch
Seelye, Francis P., First Street.....	4-inch
Shapiro, Jacob, Memorial Drive.....	6-inch
Sherburne, Estate of Reuben, Third Street.....	6-inch
Shine, John J., 420 Green Street.....	6-inch
Simplex Wire & Cable Company, Auburn Street.....	8-inch
Simplex Wire & Cable Company, Franklin Street.....	6-inch
Simplex Wire & Cable Company, 61 Pacific Street.....	6-inch
Simplex Wire & Cable Company, Pilgrim Street.....	4-inch
Simplex Wire & Cable Company, Sidney Street.....	6-inch
Southwick, Annie E., 684 Massachusetts Avenue.....	6-inch
Speare's Sons & Co., Alden, Binney Street.....	4-inch
Squire Co., J. P., Gore Street.....	8-inch
Standard Diary Co., 26 Blackstone Street.....	6-inch
Standard Oil Co., Potter Street.....	6-inch
Standard Plate Glass Co., 270 Albany Street.....	4-inch
Standard Turning Works, Main Street.....	4-inch
Stimpson, Harry F., 193 Albany Street.....	6-inch
Stimpson, Harry F., 175 Albany Street.....	6-inch
Stimpson, Harry F., 167 Albany Street.....	6-inch
Stimpson, Harry F., 157 Albany Street.....	6-inch
Stimpson, Harry F., 12 Emily Street.....	6-inch
Stimpson, Harry F., 95 Erie Street.....	6-inch
Stimpson, Harry F., 149 Sidney Street.....	6-inch
Stimpson, Harry F., 161 Sidney Street.....	6-inch
Stimpson Investment Corporation, 185 Albany Street.....	6-inch
Suffolk Engraving & Electrotyping Co., Main and Carleton Streets.....	6-inch
Superior Laundry Co., 633 Concord Avenue.....	6-inch
Swan, Daniel A., 61 Broadway (metered).....	2-inch
Sweetman, George H., 282 Portland Street.....	6-inch
Swift & Co., C. B., 13 Clark Street.....	6-inch
Tailby, Nason Co. Amherst Street.....	4-inch
Teele Soap Company, 6 Lincoln Place.....	6-inch
Thairwell Co., William C., 15 Tudor Street.....	4-inch
Thayer & Co., Henry, Sidney and Erie Streets.....	6-inch
Thompson Box Co., 62 Hampshire Street.....	6-inch
Thompson Box Co., 69 Hampshire Street.....	4-inch
Thorndike School, Spring Street.....	4-inch
Tower & Son, Sylvester, Broadway.....	4-inch
Union Real Estate Trust, 463 Main Street.....	4-inch
United Car Fastener Co., Amherst Street.....	6-inch
United Car Fastener Co., 43 Amherst Street.....	6-inch
United Car Fastener Co., 27 Ames Street.....	6-inch
United Car Fastener Co., 31 Ames Street (fire curtain).....	6-inch
University Associates, Bow Street, Garage.....	6-inch
University Associates, Linden Street.....	4-inch
University Associates, Massachusetts Avenue.....	6-inch
University Associates, Albany Street.....	4-inch
Ward, Corby Co., Potter Street.....	6-inch
Warren Brothers & Co., Amherst Street.....	6-inch
White, Herbert H., University Road.....	6-inch
Winter Hill Ice Co., Charles Street.....	6-inch
Youngman, William S., Massachusetts Avenue.....	4-inch

SUPPLIES CLEANED

Year ending March 31, 1912.....	159
Year ending March 31, 1913.....	278
Year ending March 31, 1914.....	471
Year ending March 31, 1915.....	727
Year ending March 31, 1916.....	841
Year ending March 31, 1917.....	896
Year ending March 31, 1918.....	825
Year ending March 31, 1919.....	1,158
Year ending March 31, 1920.....	1,467
Year ending March 31, 1921.....	1,348
Year ending March 31, 1922.....	1,829
Year ending March 31, 1923.....	970
Year ending March 31, 1924.....	963
Year ending March 31, 1925.....	798
Year ending March 31, 1926.....	522
Year ending March 31, 1927.....	414
Year ending March 31, 1928.....	367
Year ending March 31, 1929.....	282
Year ending March 31, 1930.....	270
Total.....	<hr/> 14,585

Since 1923 a charge of \$5 has been made for each supply cleaned.

NEW SUPPLIES

	10 Inch	8 Inch	6 Inch	4 Inch	3 Inch	2 Inch	1½ Inch	1¼ Inch	1 Inch	¾ Inch	Total
Number of supplies, brass.....									2		2
Number of supplies, cast iron.....	1	2	18	28							49
Number of supplies, galvanized.....					1				74	18	1
Number of supplies, lead lined.....		2	18	28	1	12	8	7	76	18	119
Total number of supplies.....	1	48	736	616		12	8	7			171
Length, in feet, of cast iron pipe.....	409			158							1,809
Length, in feet, of galvanized pipe.....											158
Length, in feet, of lead lined pipe.....											4,034
Total length, in feet, of pipe.....	409	48	736	774		253	223	369	2,585	604	6,001
Number of corporation cocks.....						253	223	369	2,585	604	88
Number of sidewalk cocks.....									70	18	90
Number of valves.....						7	1	6	70	19	131
Number of gates.....	1	1	19	10			8		73	15	31
Number of gate boxes.....											64
Number of service boxes.....											83
Number of clamps with cocks.....			1			9	4	14			28
Number of sleeves with gates.....	1		14	6							21

Brass and galvanized materials furnished by owner.
10-inch supply is for Lever Bros. on Burleigh Street.

SUPPLIES — RENEWED, ETC.

	$\frac{3}{4}$ Inch	1 Inch	$1\frac{1}{4}$ Inch	$1\frac{1}{2}$ Inch	2 Inch	4 Inch	6 Inch	8 Inch	10 Inch	Total
Number of supplies, brass.....	1	1								2
Number of supplies, copper.....			2			2				2
Number of supplies, cast iron.....										2
Number of supplies, galvanized.....	1	1								2
Number of supplies, lead lined.....	150	110	32	10	6					308
Length, in feet, cast iron pipe.....							242		2	286
Length, in feet, galvanized pipe.....						42				11
Length, in feet, lead lined pipe.....	3,873	3,928	1,524	345	258	11				9,928
Number of corporation cocks.....	6	25								31
Number of sidewalk cocks.....	5	50	1							56
Number of service boxes.....										9
Number of valves.....	45	67	27	12	5	2				158
Number of gates.....										9
Number of gate boxes.....						1	7	1		39
Number of cock boxes.....										6
Number of cement boxes.....										1
Number of service clamps.....			21	3	1					25

All brass and copper materials furnished by owners.

SUPPLIES LAID DURING PAST THIRTEEN YEARS

YEAR	New Supplies	Total Supplies Renewed	Total Supplies	Supplies Fur- nished with Sidewalk Serv- ice-Boxes Renewals
1918.....	126	582	708	30
1919.....	58	637	695	61
1920.....	102	692	794	72
1921.....	87	521	608	57
1922.....	84	575	659	54
1923.....	152	227	379	32
1924.....	153	272	425	28
1925.....	246	263	509	15
1926.....	256	172	428	10
1927.....	270	335	605	23
1928.....	302	359	661	22
1929.....	246	289	535	11
1930.....	171	316	487	92

COMPARATIVE TRENCHING FOR THE PAST THIRTEEN YEARS

	MAIN PIPE		SUPPLIES		TOTAL	
	Extension	Renewals	New	Renewals	Feet	Miles
1918.....	3,087	2,907	4,732	17,385	28,111	5.32
1919.....	2,694	1,779	1,891	19,829	26,193	4.96
1920.....	3,336	1,387	3,229	19,637	27,589	5.22
1921.....	6,191	2,023	3,703	14,597	26,514	5.02
1922.....	2,055	4,592	3,416	18,392	28,455	5.35
1923.....	4,013	1,040	5,227	7,924	18,204	3.44
1924.....	3,654	1,895	5,747	6,892	18,188	3.44
1925.....	6,337		11,134	8,795	26,266	4.97
1926.....	4,009		10,138	7,079	21,226	4.01
1927.....	4,762		9,798	8,801	23,361	4.42
1928.....	2,499	1,309	10,500	9,560	23,868	4.52
1929.....	6,066		8,554	7,105	21,727	4.11
1930.....	1,565		6,001	9,928	17,494	3.31

Fiscal year ends March 31.

METERS ON PUBLIC BUILDINGS

	6 Inch	4 Inch	3 Inch	2 Inch	1½ Inch	1¼ Inch	1 Inch	¾ Inch	⅝ Inch	Total
Crest.....	1	..	..	..	..	..	1
Crown.....	1	..	..	..	..	..	1
Federal.....	1	..	..	..	..	..	1
Hersey.....	1	3	1	..	4	3	1	13
Keystone.....	1	..	..	1
Lambert.....	1	..	1
National Compound.....	..	1	..	..	..	..	..	..	..	1
Torrent.....	1	..	..	..	..	..	1
Trident.....	4	5	9
Watch Dog.....	4	..	1	..	..	..	5
Worthington.....	..	3	2	8	15	7	6	4	4	49
	..	4	3	19	16	8	11	12	10	83

ON DOMESTIC, INDUSTRIAL, ETC.

	6 Inch	4 Inch	3 Inch	2 Inch	1½ Inch	1¼ Inch	1 Inch	¾ Inch	⅝ Inch	Total
Arctic.....	..	..	..	..	..	..	..	..	1	1
Badger.....	..	1	2	10	..	..	2	31	96	142
Buffalo.....	..	..	..	..	..	..	9	12	4	25
Crest.....	..	..	..	1	..	..	..	..	..	1
Crown.....	..	..	..	1	..	..	..	..	..	1
Empire.....	6	8	9	11	2	1	..	..	..	37
Federal.....	..	..	..	..	6	3	..	1	..	10
Gem.....	1	9	..	..	..	..	..	..	..	10
Hersey.....	2	8	18	45	21	6	110	269	756	1,235
Keystone.....	..	8	4	..	..	1	36	131	339	519
King.....	..	..	..	5	5	..	12	27	30	79
Lambert.....	..	..	..	1	..	..	5	22	140	168
Nash.....	..	..	..	..	1	..	..	4	48	53
National Compound.....	..	1	..	..	..	..	..	..	..	1
Thomson.....	..	..	..	1	..	..	..	1	..	2
Torrent.....	..	..	..	2	..	..	..	..	..	2
Trident.....	..	..	3	31	21	9	109	219	501	893
Union Rotary.....	..	..	1	..	..	..	..	1	..	2
Watch Dog.....	..	..	3	33	26	26	45	193	474	800
Worthington.....	3	15	50	136	108	131	317	989	3,147	4,896
	12	50	90	277	190	177	645	1,900	5,536	8,877

ON FIRE SUPPLIES

	8 Inch	6 Inch	4 Inch	3 Inch	Total
Hersey "Detectors".....	4	42	8	5	59
Neptune "Protectus".....	1	5	..	..	6
	5	47	8	5	65

There are 9,025 meters in use March 31, 1930.

FIRE SUPPLIES EQUIPPED WITH "DETECTOR" OR "PROTECTUS" METERS

There has been one addition to this list during the year; there are sixty-five (65) installed.

Allen & Endicott Building Company, Main Street.....	6-inch on new supply
Allen & Endicott Building Company, Osborne Street.....	6-inch on new supply
Atwood & McManus, 64 Aberdeen Avenue.....	6-inch on new supply
Baker, Brownrigg K., Osborne Street (premises).....	6-inch on new supply
Barbour Stockwell Company, Broadway (premises).....	6-inch on new supply
Blacker & Shepard Company, 80 State Street (premises).....	4-inch on new supply
Blacker & Shepard Company, Sidney Street.....	6-inch on new supply
Blake & Knowles Steam Pump Works, Binney and Fifth Streets (premises).....	6-inch on new supply
Boston Elevated Ry. Co., Massachusetts Avenue.....	6-inch on new supply
Boston Elevated Ry. Co., Murray Street.....	6-inch on new supply
Boston Woven Hose & Rubber Co., Hampshire Street.....	6-inch on old supply
Boston Woven Hose & Rubber Co., Portland Street.....	6-inch on old supply
*Boston and Maine Railroad.....	8-inch on old supply
Brigham Company, C., Albany Street.....	6-inch on new supply
Briggs, C. A., 418 Main Street.....	6-inch on new supply
Cambridge Paper Box Company, Broadway.....	6-inch on old supply
Carr Fastener Company, Ames Street.....	6-inch on new supply
Charlesam Real Estate Company, 100 Main Street (premises)	6-inch on new supply
Cutter, Wood & Sanderson, Third Street.....	6-inch on old supply
Davis, F. H., 175 Richdale Avenue.....	6-inch on new supply
Dyar Sales and Machinery Company, 62 Broadway.....	4-inch on new supply
Enterprise Moakler Company, Second Street.....	6-inch on old supply
Filene's Sons Company, Wm., Memorial Drive.....	6-inch on new supply
Ford Motor Company, Brookline Street (premises).....	6-inch on new supply
General Radio Company, 38 State Street.....	6-inch on new supply
Hammett & Company, J. L., Main and Hayward Streets (premises).....	6-inch on new supply
Harvard University, Divinity Avenue (premises).....	6-inch on new supply
Harvard University, Oxford Street (premises).....	6-inch on new supply
Harvard University, Plympton Street (Lowell Hall).....	4-inch on new supply
Harvard University, Widener Library (premises).....	3-inch on new supply
Hathaway & Sons, C. F., 15 Richdale Avenue.....	4-inch on old supply
Hathaway & Sons, C. F., 15 Richdale Avenue.....	4-inch on new supply
Houghton, H. O. (Riverside Press), 20 Blackstone Street....	6-inch on old supply
Howe, Estate of Otis, 748 Main Street.....	4-inch on new supply
Jordan Marsh Company, Amesbury Street (premises).....	8-inch on new supply
Kemp & Sons, Lysander, Broadway (premises).....	6-inch on new supply
Lankofsky, Baila, 329 Elm Street.....	4-inch on new supply
Lonergan, Adeline J., 1572 Massachusetts Avenue.....	3-inch on new supply
*Lualdi, Inc., Angelo, 54 Charles Street.....	6-inch on old supply
Mass. Institute of Technology, Ames and Amherst Streets...	6-inch on new supply
Mass. Institute of Technology, 75 Massachusetts Avenue...	8-inch on new supply
Mass. Institute of Technology, Vassar Street.....	8-inch on new supply
McGoldrick, H. E., 339 Franklin Street.....	3-inch on new supply
Morey & Company, Commercial Avenue (premises).....	6-inch on new supply
The Murray Printing Co., Wadsworth Street.....	6-inch on new supply
National Casket Company, First Street.....	6-inch on new supply
New England Tel. & Tel. Co., 51 Inman Street.....	3-inch on new supply
Page & Shaw, 18-20 Ames Street (premises).....	6-inch on old supply

* Supplied and covered by meter in Enterprise Moakler Company.

Penn Metal Company, 112-114 Sidney Street (premises)	6-inch on new supply
Penn Metal Company, Concord Avenue	6-inch on new supply
Promboin & Son, L., 449 Windsor Street (premises)	6-inch on new supply
Radcliffe College, 8 Garden Street	6-inch on new supply
Reardon & Sons' Corporation, John, Waverly Street	8-inch on new supply
Revere Sugar Refinery, 71 Ninth Street	6-inch on new supply
Riverside Boiler Works, 493 Main Street (premises)	6-inch on new supply
Russell & Company, Norfolk Street	6-inch on new supply
Shapiro, J., 620 Memorial Drive	6-inch on new supply
Squirrel Brand Nut Company, 10-12 Boardman Street	4-inch on new supply
Standard Oil Company, 265 Sixth Street	6-inch on old supply
Standard Oil Co., Fifth & Potter Streets (premises) (garage)	3-inch on new supply
Sterling Knit Goods Company, Stiles Street	6-inch on old supply
Sugarman Brothers, 541 Windsor Street	6-inch on new supply
University Press, Nutting Place	6-inch on old supply
University Press, University Road	6-inch on new supply
Ward Baking Company, Albany Street	6-inch on old supply
Wheelock Lovejoy Company, Sidney Street	6-inch on new supply

DRINKING FOUNTAINS

The total number of small drinking fountains is fourteen (14).

Broadway at Norfolk Street ("Jones" bubble)
 Fresh Pond Driveway ("Jenks" bubble)
 Granite Street Playground ("Eastern" bubble)
 Huron Avenue at Cushing Street Playground ("Jenks" bubble)
 Huron Avenue at Cushing Street Playground ("Jenks" bubble)
 Inman Square ("Jenks" bubble)
 McNamee Square ("Jones" bubble)
 Memorial Drive, east side, opposite Massachusetts Institute of Technology ("Jenks" bubble)
 Montague Street, Russell Hoyt Field ("Jenks" bubble)
 Mount Auburn Street in Parkway ("Jones" bubble)
 Mount Auburn Street opposite Coolidge Avenue ("Jenks" bubble)
 Tech Street ("Jenks" bubble)
 Western Avenue Mill Playground ("Jenks" bubble)
 Windsor Street at Broadway ("Jenks" bubble)

In Kendall Square there are two fountains equipped with faucets for the use of drivers.

ICE WATER DRINKING FOUNTAINS

The Cost of Furnishing Fountains with Ice During the Summer Months for the
Past Twenty-Six Years

Year	LOCATION									COST	
	Cambridge Field	Cambridge Street at Third Street	Central Square	Harvard Square	Kendall Square	Mass. Ave. at Blake St.	Mass. Ave. at Cameron Ave.	Putnam Square	Rindge Field	Total Cost per Year	Average Cost per Day per Fountain
1904	.....	\$145.50	\$112.50	\$105.60	.....	\$96.75	.....	.....	.....	\$460.35	\$1.20
1905	.....	125.55	129.90	103.43	.....	155.30	.....	.....	.....	514.18	.94
1906	.....	180.95	175.35	166.69	.....	157.25	\$115.40	.....	.....	795.64	1.57
1907	\$102.37	110.50	127.13	110.50	.....	102.74	102.25	.....	.....	655.49	1.09
1908	89.49	127.00	134.38	127.87	.....	111.50	115.75	.....	.....	705.99	1.04
1909	121.05	185.68	124.50	122.70	.....	141.60	127.95	.....	.....	823.48	1.15
1910	134.10	149.70	.....	134.55	.....	140.25	154.05	.....	.....	712.65	1.24
1911	123.60	167.65	.....	127.20	.....	146.70	169.05	.....	.....	734.20	1.34
1912	120.30	134.85	108.15	120.75	.....	139.95	165.00	.....	\$129.75	918.75	1.25
1913	135.82	174.19	175.22	138.02	.....	119.22	116.33	.....	112.01	970.81	.97
1914	113.77	149.57	152.88	113.78	.....	64.82	74.45	.....	78.41	747.68	.78
1915	89.67	120.41	109.80	83.49	.....	77.09	84.44	\$65.85	89.08	719.83	.74
1916	63.21	118.87	116.43	87.31	.....	49.24	62.62	63.49	62.47	623.64	.79
1917	62.85	136.49	133.56	101.10	.....	83.47	82.24	83.47	83.47	766.65	1.37
1918	110.45	216.52	183.35	152.29	\$110.45	110.45	99.88	122.10	110.45	1,216.04	1.57
1919	98.00	207.51	156.40	130.34	97.21	98.00	98.00	102.71	98.00	1,086.17	1.68
1920	97.22	192.47	155.23	125.44	97.21	97.21	97.21	103.49	97.21	1,062.69	1.82
1921	124.66	378.82	202.27	168.56	125.44	124.66	125.44	133.27	125.05	1,508.17	1.58
1922	113.68	162.73	183.46	152.88	113.68	113.68	107.40	123.87	113.68	1,185.06	1.71
1923	105.06	237.55	169.34	141.12	105.06	105.06	105.06	112.90	105.06	1,186.21	1.85
1924	112.11	244.99	181.10	150.92	112.11	112.11	112.11	120.74	112.11	1,258.30	1.52
1925	115.25	201.10	183.46	152.88	115.25	115.25	115.25	122.30	115.25	1,235.99	1.76
1926	90.15	143.87	145.82	121.52	90.15	90.15	90.15	97.22	90.15	959.18	1.75
1927	101.91	178.96	145.82	121.52	76.83	101.91	101.91	97.22	101.91	1,027.99	1.63
1928	122.30	203.23	192.86	164.64	122.30	122.30	122.30	131.71	122.30	1,303.94	1.75
1929	205.80	189.26	204.62	172.48	136.43	138.00	139.56	136.42	138.00	1,460.57	1.86

STONY BROOK OVERFLOW, ETC., FOR THE PAST FORTY-THREE YEARS

	Gallons	No. of Days	Rainfall
1888.....	6,000,000,000	...	.....
1889.....	8,000,000,000	...	.....
1890.....	8,700,000,000	...	.....
1891.....	8,247,800,000	...	45.25
1892.....	3,688,900,000	...	39.82
1893.....	4,427,400,000	...	39.50
1894.....	2,853,000,000	...	35.79
1895.....	5,281,900,000	224	50.52
1896.....	5,704,700,000	224	50.52
1897.....	3,999,700,000	256	43.35
1898.....	5,704,600,000	260	54.03
1899.....	6,969,500,000	175	43.96
1900.....	4,447,100,000	145	51.34
1901.....	6,141,300,000	157	46.77
1902.....	6,359,100,000	182	44.58
1903.....	6,437,500,000	222	45.97
1904.....	5,726,399,000	171	41.18
1905.....	3,148,900,000	140	38.40
1906.....	3,510,700,000	170	39.16
1907.....	2,415,900,000	147	42.32
*1908.....	3,384,300,000	184	} 48.23
†1909.....	960,800,000	50	
†1910.....	2,531,500,000	137	37.83
†1911.....	57,200,000	22	31.78
†1912.....	1,395,200,000	69	42.63
†1913.....	2,571,200,000	132	41.22
†1914.....	3,022,800,000	99	42.13
†1915.....	3,477,200,000	111	34.44
†1916.....	2,581,900,000	136	41.90
†1917.....	4,091,800,000	141	37.11
†1918.....	2,386,100,000	136	38.69
†1919.....	2,186,400,000	111	41.24
†1920.....	5,502,900,000	173	51.33
†1921.....	5,727,600,000	217	40.52
†1922.....	3,351,100,000	135	44.11
†1923.....	2,981,000,000	125	50.74
†1924.....	1,936,700,000	145	37.09
†1925.....	2,941,900,000	113	43.27
†1926.....	1,782,900,000	82	44.27
†1927.....	1,834,524,000	82	39.63
†1928.....	2,118,753,000	199	46.98
†1929.....	2,471,275,000	180	46.28
†1930.....	1,894,741,000	79	36.50

Since 1921, the decrease in the gallons overflow has been due to the raising of the elevation of the crests of the Stony and Hobbs Brooks waterways two feet which provided for an additional storage for 48,000,000 gallons of water in Stony Brook and 489,000,000 gallons in Hobbs Brook that usually wasted into Charles River.

*Previous to 1908—Fiscal year ended November 30.
†Overflow from December 1, 1908, to March 31, 1909.
‡Fiscal year ended March 31.

STONY BROOK OVERFLOW

	Gallons	Days	Rainfall
1929			Inches
April.....	1,335,451,000	30	7.58
May.....	503,006,000	31	2.97
June.....	.....	..	3.97
July.....	.....	..	.93
August.....	.....	..	2.12
September.....	.....	..	1.21
October.....	.....	..	3.03
November.....	.....	..	3.15
December.....	.....	..	3.90
1930			
January.....	.....	..	2.10
February.....	.....	..	2.26
March.....	56,284,000	18	3.28
Total overflow.....	1,894,741,000		
Number of days on which water wasted.....		79	
Total rainfall.....			36.50

HOBBS BROOK RESERVOIRS										STONY BROOK RESERVOIR				
Lincoln Street, Basin No. 1					Winter Street, Basin No. 2					Date		Elevations		Rainfall
Date		Highest Elevation During Month	Lowest Elevation During Month	Rainfall	Date		Highest Elevation During Month	Lowest Elevation During Month		Highest Elevation During Month	Lowest Elevation During Month			
1929					1929					1929				
April	1	.....	183.48		April	1	.....	183.48		April	5	83.24		
April	22	.....	183.82	6.78	April	22	.....	183.82		April	22	84.38		7.58
May	3	.....	183.64		May	3	.....	183.64		May	1	83.73		
May	31	.....	183.45	3.00	May	31	.....	183.45		May	31	83.08		2.97
June	1	.....	183.44		June	1	.....	183.44		June	1	83.00		
June	30	.....	182.94	3.48	June	30	.....	182.94		June	22	77.10		3.97
July	1	.....	182.84		July	1	.....	182.84		July	14	82.75		
July	31	.....	180.99	.70	July	31	.....	180.99		July	31	77.94		.93
August	1	.....	180.88		August	1	.....	180.88		August	1	77.99		
August	31	.....	178.54	3.64	August	31	.....	178.54		August	28	79.76		2.12
September	1	.....	178.44		September	1	.....	178.44		September	1	79.75		
September	30	.....	176.41	2.11	September	30	.....	176.41		September	23	79.26		1.21
October	4	.....	176.35		October	4	.....	176.35		October	8	80.13		
October	31	.....	175.01	2.58	October	31	.....	175.01		October	31	75.78		3.03
November	1	.....	174.99		November	1	.....	174.99		November	1	75.55		
November	30	.....	174.44	2.69	November	30	.....	174.44		November	30	72.25		3.15
December	1	.....	174.40		December	1	.....	174.40		December	17	70.14		
December	31	.....	173.73	3.83	December	31	.....	173.73		December	31	74.10		3.90
1930					1930					1930				
January	1	.....	173.73		January	1	.....	173.73		January	3	74.04		
January	31	.....	174.87	2.38	January	31	.....	174.87		January	21	75.64		2.10
February	1	.....	174.88		February	1	.....	174.88		February	13	70.79		
February	28	.....	176.01	2.12	February	28	.....	176.01		February	28	79.95		2.26
March	1	.....	176.06		March	1	.....	176.06		March	1	80.05		
March	31	.....	177.49	3.08	March	31	.....	177.49		March	27	83.36		3.28
Total.....					36.39									36.50

FINANCIAL STATEMENT

April 1, 1929 to March 31, 1930

General Maintenance Account

A. Personal Service

Superintendent.....	\$5,000 00	
Chief Clerk.....	2,800 00	
Clerks.....	13,015 09	
Inspectors.....	24,200 00	
Permanent labor.....	78,732 24	
Transient labor.....	40,599 45	
Unassigned.....	305 00	
Sewer Department employees.....	624 20	
	<hr/>	\$165,275 98

B. Service Other than Personal

1. Printing and binding.....	\$164 15	
2. Postage.....	915 90	
3. Advertising and posting.....	62 76	
4. Transportation of persons.....	651 25	
5. Cartage and freight.....	25 76	
6. Hire of teams and auto trucks.....	92 35	
8. Light and power.....	252 34	
9. Lighting in pipe yard.....	56 04	
10. Rent, taxes and water rates.....	3,228 65	
13. Communication.....	788 53	
14. Motor vehicle repairs.....	550 03	
22. Medical.....	40 00	
24. Blacksmith.....	6 36	
26. Protection and prevention.....	57 33	
31. Extermination of insects.....	23 63	
35. Fees.....	37 50	
37. Photographic and blueprinting.....	16 10	
39. Service not otherwise coded.....	823 54	
	<hr/>	7,792 22

C. Equipment

4. Motor vehicles.....	\$1,830 64	
7. Furniture and fittings.....	19 60	
9. Office.....	107 66	
12. Medical, surgical and laboratory.....	5 40	
13. Tools and instruments.....	1,468 86	
16. Wearing apparel.....	53 58	
17. Equipment not otherwise coded.....	695 34	
	<hr/>	4,181 08

D. Supplies

1. Office.....	\$1,281 76	
2. Food and ice.....	1,462 54	
3. Fuel.....	293 63	
8. Laundry.....	23 52	
11. Motor vehicles.....	2,906 30	
13. Chemicals.....	164 07	
16. Supplies not otherwise coded.....	1,155 63	
	<hr/>	7,287 45

E. Materials			
6. Water.....	\$33,487	29	
13. Materials not otherwise coded.....	325	07	
			<u>\$33,812 36</u>
F. Special Items			
2. Damages.....	\$4,701	89	
4. Serial loan.....	33,000	00	
5. Interest.....	36,897	50	
7. Pensions.....	11,485	38	
11. Workingmen's compensation.....	325	71	
14. Refunds.....	905	15	
			<u>87,315 63</u>
G. Incidental Expenses			
1. Inspection of plant.....	\$1,058	70	
2. Leakage.....	733	41	
3. Inspections outside of State.....	1,069	59	
			<u>2,861 70</u>
Total General Maintenance.....			<u>\$308,526 42</u>

Pumping Maintenance Account

A. Personal Service			
Permanent employees.....	\$24,554	75	
Transient labor.....	1,898	87	
Coal passing.....	1,777	79	
Coal unloading.....	556	26	
Vacation fireman.....	621	30	
			<u>\$29,408 97</u>
B. Service other than personal			
2. Postage.....	\$10	00	
3. Advertising and posting.....	14	70	
4. Transportation of persons.....	25	00	
5. Cartage and freight.....	47	51	
8. Light and power.....	702	80	
13. Communication.....	91	72	
27. Testing materials and supplies.....	65	66	
39. Service not otherwise coded.....	1,706	15	
			<u>2,663 54</u>
C. Equipment			
12. Medical, surgical and laboratory.....	\$3	48	
13. Tools and implements.....	96	47	
17. Equipment not otherwise coded.....	1,489	83	
			<u>1,589 78</u>
D. Supplies			
1. Office.....	\$23	63	
2. Food and ice.....	99	84	
3. Fuel and freight.....	20,909	80	
8. Laundry.....	31	20	
13. Chemicals and disinfectants.....	34	55	
16. Supplies not otherwise coded.....	2,374	78	
			<u>23,473 80</u>
E. Materials			
6. Water.....	\$39	60	
13. Materials not otherwise coded.....	2,538	68	
			<u>2,578 28</u>

F. Special Items		
11. Workingmen's compensation.....	\$36 00	
		<u>\$36 00</u>
Total Pumping Maintenance.....		\$59,750 37

Reservoirs Maintenance Account

A. Personal Service		
Permanent employees, Fresh Pond.....	\$19,036 79	
Transient employees, Fresh Pond.....	19,892 88	
Permanent employees, Payson Park.....	1,527 76	
Transient employees, Payson Park.....	2,082 50	
Permanent employees, Hobbs Brook.....	1,430 00	
Permanent employees, Stony Brook.....	1,430 00	
		<u>\$45,399 93</u>
B. Service Other than Personal		
1. Printing and binding.....	\$15 68	
2. Postage.....	5 00	
3. Advertising and posting.....	16 66	
4. Transportation of persons.....	121 25	
5. Hire of teams and auto trucks.....	61 76	
9. Lighting at Payson Park Reservoir.....	6 40	
10. Water rates.....	62 40	
13. Communication.....	185 07	
15. Motorless vehicles repairs.....	12 74	
18. Cleaning.....	4,638 93	
39. Service not otherwise coded.....	1,436 65	
40. Harness, repairs, etc.....	14 99	
41. Horseshoeing and clipping	257 74	
		<u>6,835 27</u>
C. Equipment		
5. Motorless vehicles.....	\$123 48	
13. Tools and instruments.....	119 57	
14. Livestock	222 50	
17. Equipment not otherwise coded.....	97 50	
		<u>563 05</u>
D. Supplies		
2. Food and ice.....	\$15 00	
3. Fuel.....	91 43	
4. Forage and animal.....	466 60	
13. Chemicals and disinfectants.....	2 94	
16. Supplies not otherwise coded.....	434 45	
		<u>1,010 42</u>
E. Materials		
13. Materials not otherwise coded.....	\$946 72	
		<u>946 72</u>
Total Reservoirs Maintenance.....		\$54,755 39

Filtration Maintenance Account

A. Personal Service		
Permanent operators.....	\$14,604 47	
Resident chemist.....	2,500 00	
Consulting chemist.....	1,500 00	
Labor.....	606 63	
		<u>\$19,211 10</u>

B. Service Other than Personal		
1. Printing and binding	\$33 81	
2. Postage	10 00	
3. Advertising and posting	18 75	
5. Cartage and freight	31 61	
8. Light and Power	4,681 90	
13. Communication	55 51	
39. Service not otherwise coded	261 70	
	<hr/>	5,093 28
C. Equipment		
9. Office	\$26 21	
12. Medical, surgical and laboratory	46 78	
13. Tools and instruments	4 12	
17. Equipment not otherwise coded	220 24	
	<hr/>	297 35
D. Supplies		
1. Office	\$72 63	
2. Food and ice	76 14	
3. Fuel	498 16	
5. Medical, surgical and laboratory	173 25	
13. Chemicals and disinfectants	18,814 10	
16. Supplies not otherwise coded	609 08	
	<hr/>	20,243 36
Total Maintenance Account, Filtration . .		<hr/> \$44,845 09
Total Expenditures		
Maintenance, General	\$308,526 42	
Maintenance, Pumping	59,750 37	
Maintenance, Reservoirs	54,755 39	
Maintenance, Filtration	44,845 09	
	<hr/>	\$467,877 27
Expended on Payson Park Repairs account	\$6,283 41	
Expended on new pump and house account	74,266 67	
	<hr/>	80,550 08
		<hr/> \$548,427 35
Total Expenditures, Maintenance		\$467,877 27
Deducting interest	\$36,897 50	
Deducting serial loan	33,000 00	
Deducting refunds	905 15	
Deducting amounts received from new supplies, re- newals, and cleaning supplies	36,505 24	
	<hr/>	107,307 89
Leaving for operating expenditures		<hr/> \$360,569 38

Cost Per Million Gallons

Based on general expenses (\$308,526.42)	\$65 24
Based on pumping expenses (\$59,750.37)	12 63
Based on filtration expenses (\$44,845.09)	9 48
Based on operating expenses (\$360,569.38)	76 25
Based on total expenses (\$467,877.27)	98 94

We have lost by death five of our employees this year.

John Brown, employed from November, 1909 to May, 1929.

Philip Coveney, employed from October, 1916 to August, 1929.

Michael Coughlin, employed from April, 1888 to September, 1929.

Jeremiah Murphy, employed from December, 1923 to December, 1929.

Patrick Sullivan, who worked for the department since May, 1904, was pensioned May 28, 1929; he died July 3, 1929.

Daniel J. Manley, who worked for the department for over two years, has been transferred at his request to the fire department.

James Cotter, who has worked for the department since November, 1911, was pensioned January 31, 1930.

Respectfully submitted,

TIMOTHY W. GOOD,
General Superintendent

CITY OF CAMBRIDGE
MASSACHUSETTS

ANNUAL REPORT

OF THE

BOARD OF HEALTH

For the Year Ending December 31, 1929



PRINTED FOR THE DEPARTMENT
UNDER THE DIRECTION OF THE CITY CLERK

ORGANIZATION OF HEALTH DEPARTMENT

BOARD OF HEALTH

JOSEPH M. WADDEN, M. D., *Chairman*

PROF. ELIE H. LA PIERRE

EDMUND J. BRANDON, ESQ.*

Agent and Clerk

JOHN D. CROWLEY

Medical Inspector

SIMON B. KELLEHER, M.D.

Office

MARGARET G. FITZGERALD

CATHERINE J. DONOVAN

CATHARINE H. MURPHY

Social Worker

C. ISABEL TORNEY

Bacteriologist and Inspector of Milk

ROBERT E. BEMIS, Ph.C.

Collector of Cultures

*JAMES H. HAYES

WARREN G. MURPHY

Collector of Samples

THOMAS J. COLLINS

Inspector of Food and Provisions

JOSEPH L. JOHNSON

Inspectors of Slaughtering

DAVID L. BOLGER, D.V.S.

JOSEPH P. MURPHY

Housing and Plumbing Inspector

AUGUSTIN M. JOHNSON

Fumigator

DENNIS SULLIVAN

Sanitary Inspectors

FRANCIS H. NUGENT

MICHAEL T. WALSH

PATRICK J. MURPHY

THOMAS F. PHELAN

EUGENE P. CALLAHAN

School Physicians

WILLIAM H. CLANCY, M.D.

SAMUEL E. CHALFEN, M.D.

WILLIAM E. FLEET, M.D.

MYER MARLIN, M.D.

CHARLES M. HUTCHINSON, M.D.

JOHN P. NELLIGAN, M.D.

JOHN F. FAIR, M.D.

GEORGE A. WHITE, M.D.

FRANCIS J. BARNES, M.D.

JOSEPH M. WADDEN, M.D.

JOHN J. MURPHY, M.D.

ARTHUR MOLL, M.D.

SUMNER C. ANDREWS, M.D.

* Resigned

School NursesMARY C. CHURCH, R.N., *Chief*

MARGARET N. H. McGRATH

CATHERINE M. BURKE, R.N.

MARY A. KENNEY, R.N.

MARY C. O'NEILL, R.N.

BEATRICE E. DOHERTY-HAYDEN,
R.N.

JEANNETTE E. SWEENEY, R.N.*

ELIZABETH HAYDEN, R.N.

MARGARET McINERNEY, R.N.

MARY G. WELCH, R.N.

ELIZABETH SULLIVAN, R.N.

Dental Clinics**Dentists**

EMILY M. LUCK, D.M.D.

MATTHEW F. SHEA, D.M.D.

WALTER L. CRONIN, D.M.D.

WILLIAM H. MORAN, D.M.D.

GEORGE A. WHITE, D.M.D.

JOHN L. McCARTHY, D.M.D.

JULIAN B. DOHERTY, D.M.D.

HERBERT L. SMOLAR, D.M.D.

EDWARD ROSENBERG, D.M.D.

Assistants

ALICE WALSH

GERTRUDE DuBOIS

ALICE S. LOGAN

AGNES McCORMICK

GRACE F. MANSFIELD

MARGARET GARLAND

JOSEPHINE P. ALPHEN

Tuberculosis Dispensary

1491 Cambridge Street

PATRICK J. FLEMING, M.D., *Physician*MARY L. THACHER, R.N. } *Field*HELEN C. CUMMINGS, R.N. } *Nurses***Schick Clinics (Diphtheria)**

GEORGE A. WHITE, M.D.

ALICE McELEARNEY, R.N.*

KATHERINE McGRATH, R.N.

Infant Welfare Nurses

BRIDGET A. HEANUE, R.N.

MARY A. MacDONALD, R.N.

JENNIE T. MALONE, R.N.

AGNES C. TOOLE, R.N.

Communicable Disease Nurses

ANNA B. DRISCOLL, R.N.

ANNA E. DUNDON, R.N.

Tuberculosis Hospital

799 Concord Avenue

SIMON B. KELLEHER, M.D., *Superintendent*FELIX F. McGIRR, M.D., *Physician*MARGARET H. CONLON, R.N., *Matron*

*Resigned

REPORT OF THE BOARD OF HEALTH

Cambridge, Mass., January 31, 1930.

To the Honorable City Council:

The Board of Health submits its fifty-third annual report, this report being for the year ending December 31, 1929.

The personnel of the department is shown on the preceding pages. The several and varied activities of the department are reported in detail, including statistics and summaries of divisional reports, on the following pages.

During the year the Board of Health held fifty-four (54) meetings, at twelve (12) of which public hearings were given.

The total number of deaths during the year was 1,423 (60 less than in 1928) making a general death rate of 11.19 per 100,000 population. The death rate of Cambridge residents only (including Cambridge residents who died outside our city) was 10.89. These are the lowest death rates in the history of our city.

There were 118 stillbirths in our city, of which 38 were non-residents. This large number of stillbirths gives added cause for more consideration to the advisability of concentrating on pre-natal education and activity.

Our Infant Mortality rate was 55 per 1,000 live births, with only 147 deaths under one year of age (excluding stillbirths), and although the actual number of infant deaths was the lowest since we have been a city of any size our infant mortality rate is slightly higher than 1928, 1927, 1925, or 1924, it is because of the outstanding decrease in number of live births during 1929, a drop of eight per cent (8%) in comparison to 1928 and eleven per cent (11%) to 1927, while our general death rate decreased only 5½% and 1% respectively in comparison to the same years, and our infant mortality rate in 1929 increased almost 4% in comparison with the years 1928 and 1927. Our birth rate was 20.88 per 1,000 population, while it was 22.44 in 1928 and 23.54 in 1927. These facts are worthy of our best thought and effort relative to conditions incident to birth.

The major causes of death in 1929 were as follows: Heart, 199; Pneumonia, 189; Cancer, 144; Cerebral Hemorrhage, 124;

Arteriosclerosis, 113; Pulmonary Tuberculosis, 97; Bright's Disease, 69. This order of major causes of death remains unchanged during the last several years excepting for Pulmonary Tuberculosis and Cancer which are slowly but surely receding from the head of the list. These seven causes total 935 deaths or 65+ per cent of the total deaths from all causes in 1929, in comparison to 67 per cent in 1928 and 64 per cent in 1927. Twenty-five and five tenths per cent (25.5%) of all deaths in 1929 were of persons 70 years of age or over, in comparison to 28% in 1928, and 27.5% in 1927.

The major communicable diseases were considerably less in number than during recent years with the exception of typhoid fever, and a larger percentage were hospitalized. There was an average of 75 patients per day at the Tuberculosis Hospital, with a total of 27,283 patient days, at a cost of \$2.54 per patient per day, totaling an operating cost of \$69,378.60 in comparison to an average of 59 patients per day at a per capita cost of \$3.03 in 1928. The increase in number of patients and decrease in per capita cost was due to an arrangement with the State, the Middlesex and Worcester Counties, and the Chelsea, Revere and Winthrop District, to utilize our hospital facilities for their tuberculous needing immediate hospital care. While the actual cost of operation for the year has increased, because of the increased number of patients, the revenue has increased in double proportion, so we can report not only a considerable reduction in per capital gross cost of operation but also a considerable increase in revenue for care of non-resident patients, both without any detriment to the service and care of our own residents to whom we have our first and principal obligation of service. Our revenue for care of persons at the Tuberculosis Hospital was \$40,012.86; or nearly 60 per cent of the cost of operation. This amount includes \$5,218 subsidy from the State which subsidy we have been receiving for several years but which we are led to believe will be discontinued after this year as the State Department of Public Health has been endeavoring to eliminate subsidy by whatever means it can, notwithstanding its appeal to us to hospitalize non-resident patients in our hospital.

The new budget again requests appropriations for the employment of a full time health officer who is trained in public health science and who shall give his time exclusively to this work, for

compensating the physicians attending weekly the Infant Welfare Clinics, and X-ray equipment and individual bed lights at the hospital. It also requests funds for employment of Roentgenologist and additional nurses at the hospital, as well as funds for grading and planting the grounds, new furniture for the nurses' quarters, sheathing the patients' dining room, and an adequate supply of bed linen, blankets, mattresses, and pillows. The much needed and long sought new roadway and walk to the front entrance to the hospital was provided during the year and a proper grading and planting of the grounds will make the hospital much more attractive and pleasant for the patients.

The survey of dwelling houses begun in 1925 has progressed slowly, with some 8,500 dwellings recorded, and it is hoped this effort can be completed before the next annual report. Many heretofore unreported, unobserved, yet undesirable conditions have been remedied through this activity. It is obviously a slow process to effect a renovation of old property so as to comply with modern requirements.

The completion of the classification of the teeth of all the public and parochial grade school children by our Dental Clinics staff is an unique accomplishment for a community our size. Hereafter it will be necessary to classify the entering classes only.*

The department is continuing its active coöperation with the State Department of Public Health in its Ten Year Juvenile Tuberculosis Program, the State Department of Public Welfare in its Survey of Crippled Children, and the State Department of Mental Diseases in its Survey of the Mentally Retarded.

During the year the department lost the services of Alice McElearney, R.N., the highly efficient nurse in charge of the Schick (Diphtheria Prevention) Clinics, who resigned to resume her former position with the Boston Children's Aid Society; Jeannette E. Sweeney, R.N., a splendid school nurse, who resigned to become married, and James Hayes who has been unusually efficient as Collector of Cultures for several years beginning with his high school days. The Board would be ungrateful if it did not record itself as appreciating their excellent, faithful, and honorable service in behalf of our City.

* It is again recommended that serious consideration be given the appointment of a properly qualified Director of Health Education, and suitable sanitary washing, drinking, and toilet facilities be provided on each floor in all schoolhouses.

The acceptance of the resignation of Edmund J. Brandon from membership on the Board brought an official end to the service of one whose whole life has been linked with service to our community. His fine talents and especially his sound counsel on all matters of a legal nature, with his broadmindedness and fine business judgment, were a contribution for which the city could not compensate in a monetary way. He was a splendid example of the highly desirable type of citizen serving on an unpaid board. The city will be fortunate in filling the vacancy with one of like talents, character, and ability. The Board would indeed be remiss in its duty if it did not officially record its sincere appreciation of his exemplary and gratuitous service as a member of the Board.

It is both fitting and proper that advantage be taken of this opportunity to express the Board's appreciation of the coöperation and assistance given it during the year by the Mayor, City Council, departments of the city, unofficial agencies, and private citizens, to all of whom it is grateful for contributing to maintain a high standard of public health in our city.

"Cambridge will not be the healthiest place for any of us to live in until it is the healthiest place for all of us."

JOSEPH M. WADDEN, M.D.
ELIE H. LA PIERRE, PH.G.

EXPENDITURES

EXPENDED FOR SALARIES

January 1–December 31, 1929

Medical Inspector	\$3,500 00	
Clerk	3,390 70	
Social Worker	1,894 80	
Stenographers and Clerks (3)	4,368 00	
Inspectors of Provisions (2)	4,623 50	
Sanitary Inspectors (5)	10,341 75	
Plumbing and Housing Inspector	2,640 95	
Fumigator and Driver	1,868 90	
School Nurses (10)	15,893 46	
School Physicians (13)	9,584 76	
Infant Welfare Nurses (4)	6,763 44	
Contagious Nurses (2)	3,065 92	
Inspector of Slaughtering	2,090 00	
Dispensary Physician (Tb.)	749 94	
Dispensary Nurses (Tb.) (2)	3,395 46	
Physician — Schick Clinics	1,500 00	
Clinic Nurse (Schick)	1,569 75	
	<hr/>	\$77,241 33

EXPENDED FOR GENERAL EXPENSES

January 1–December 31, 1929

(A) Board and Care:		
Diphtheria	\$4,350 92	
Scarlet Fever	6,808 00	
Suppurative Conjunctivitis	99 00	
Trachoma	101 27	
Whooping Cough	252 00	
Cerebro Spinal Meningitis	288 00	
Ophthalmia Neonatorum	257 05	
Tuberculosis	57 61	
Typhoid Fever and Diphtheria	171 00	
Septic Sore Throat	48 00	
Anterior Poliomyelitis	237 00	
Anti-Rabic Treatment	12 40	
	<hr/>	\$12,682 25
(B) Reimbursement of other cities and towns and of the Commonwealth:		
Lobar Pneumonia	\$35 00	
Tuberculosis	10,900 69	
Anti-Rabic Treatment	148 00	
Diphtheria	317 00	
Scarlet Fever	756 00	
Measles	21 50	
Mumps	16 50	
Ophthalmia Neonatorum	101 76	
Gonorrhea	5 43	
	<hr/>	\$12,301 88

Printing and binding.....	\$244 50	
Postage.....	351 24	
Transportation of persons.....	1,262 50	
Rent, water and taxes.....	393 16	
Communication (telephone).....	206 18	
Motor Vehicle repairs and care.....	296 91	
Care of persons (See A and B).....	24,984 13	
Fees, services of venires, etc.....	68 44	
General (miscellaneous).....	48 89	
Motor vehicle supplies.....	509 72	
Office supplies.....	859 28	
Ice (laboratory).....	64 19	
Schick Clinic supplies.....	252 09	
Chemicals and disinfectant.....	139 00	
School Inspection supplies.....	235 18	
Infant Welfare supplies.....	806 22	
Advertising and postage.....	36 39	
Tuberculosis Dispensary.....	18 24	
	<hr/>	\$30,776 26

EXPENDED FOR TUBERCULOSIS HOSPITAL

January 1-December 31, 1929

Salaries:

Physician.....	\$1,550 03	
Interne.....	598 00	
Matron.....	1,700 00	
Supervisor of Nurses.....	1,200 00	
Nurses (9).....	6,378 52	
Cook.....	936 00	
Assistant Cooks (2).....	1,291 42	
Dishwashers (3).....	1,632 00	
Laundress.....	650 00	
Launderer.....	708 50	
Maids (2).....	1,300 00	
Scrubwoman.....	648 21	
Scrubman.....	650 00	
Engineer.....	2,392 00	
Fireman (3).....	6,396 00	
Caretaker.....	767 00	
Assistant Caretakers (Choremens) (2).....	1,352 00	
Vacation substitutes.....	585 02	
	<hr/>	\$30,734 70
Printing and binding.....	24 01	
Postage.....	10 00	
Cartage and freight.....	23 21	
Light and power.....	219 42	
Communication (telephone).....	124 20	
General Plant (repairs, etc.).....	2,307 15	
Office supplies.....	26 46	
Food and Ice.....	23,746 55	
Fuel.....	5,036 80	
Medical, surgical, laboratory supplies.....	2,248 57	
Laundry, cleaning, toilet supplies.....	683 96	
Chemicals and disinfectants.....	100 73	
Engine and fire room supplies.....	586 80	
Bedding, linen, etc.....	796 05	
Agricultural and gardening supplies.....	34 88	
Awnings.....	1,495 15	
Furniture and fittings.....	680 87	
Medical equipment.....	499 09	
	<hr/>	\$38,643 90

EXPENDED FOR LABORATORY

January 1-December 31, 1929

Salaries:

Technician	\$2,950 03	
Substitute Bacteriologist (vacation)	50 00	
Collector of samples	2,303 00	
Culture Collector	480 00	
	<hr/>	\$5,783 03

Postage	\$20 00	
Rent, taxes, and water	117 60	
Motor Vehicle repairs and care	96 48	
Fees, services of venires, etc.	2 00	
Medical, surgical and laboratory	266 27	
Office supplies	86 73	
Motor vehicle supplies	158 32	
Motor vehicle equipment (new)	63 91	
	<hr/>	\$811 31

EXPENDED FOR DENTAL CLINICS

January 1-December 31, 1929

Salaries:

Dentists	\$11,574 10	
Assistants	3,387 00	
	<hr/>	\$14,961 10

Office supplies	\$119 80	
Dental supplies	1,035 35	
	<hr/>	\$1,155 15

RECEIPTS (FROM HOSPITAL CARE)

January 1-December 31, 1929

Contagious Diseases (including all but Tuberculosis)

State	\$224 50	
Cities and towns	2,460 00	
Individuals	1,623 43	
	<hr/>	\$4,307 93

Tuberculosis

State	\$403 50	
Cities and towns	7,663 27	
Individuals	2,074 77	
Subsidy	5,218 20	
Middlesex County Commission	18,099 25	
Trustees of Tuberculosis Hospital District of Chelsea, Revere, and Winthrop	4,805 29	
Worcester County Commission	1,748 58	
	<hr/>	\$40,012 86
School Dentist		\$1,209 85

VITAL STATISTICS

DEATH RATE PER 1,000 LIVING FOR ALL CAUSES
POPULATION 127,125 JULY 1, 1929

1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
15.06	12.48	13.17	13.69	12.82	11.88	12.15	11.26	11.83	11.19
14.26	11.94	12.82	13.28	12.07	11.90	11.95	11.04	11.43	10.89

The upper row gives the death rate of all deaths in Cambridge; that is, it includes the non-residents that died in the city, but excludes Cambridge residents who died outside the city. The lower row of rates includes Cambridge residents who died outside the city, and excludes non-residents who died in Cambridge.

The figures given for population are estimated by the method adopted by the Bureau of Census. The mean annual death rate for ten years, 1920 to 1929, inclusive, is 12.55. This includes non-residents who died in the city. The mean annual death rate, excluding non-residents, but including Cambridge residents who died outside the city, is 12.15.

Table A gives causes of death by ages, in accordance with the International Classification of Causes of Deaths, of those persons who died in Cambridge, and includes non-residents.

Table B gives number of cases reported, the morbidity per 100,000 living, death rate per 100,000 living, including residents who died outside the city, and death rate per 100 cases reported of diphtheria, scarlet fever and typhoid fever for the years 1920 to 1929, inclusive. If death rates per 100,000 living, computed from deaths in the city only, vary from that given in the table, the fact is stated in footnote.

Table C gives the death rates per 100,000 living for cancer, diarrheal diseases, whooping cough, bronchitis, pneumonia, and tuberculosis, for the years 1920 to 1929, inclusive. In this table the upper part is that derived from the number of deaths of Cambridge residents who died within or without the city. Non-residents in Cambridge are excluded. The lower number is derived from the actual number of deaths in the city and includes

non-residents but excludes Cambridge residents who died outside of Cambridge.

Table D gives the morbidity reports by weeks.

Table E gives the morbidity reports by month and by ward.

Table F gives morbidity distribution by diseases, sex, and age group.

Table G gives morbidity, population and area, by ward, for entire year.

Table H gives mortality (all causes) by month and by ward.

Table I gives diphtheria morbidity, by months, for a decade.

TABLE A — Continued

CAUSES OF DEATH																																						
I. Epidemic, Endemic and Infectious Diseases (Continued)																																						
	Under 1		1 to 2		2 to 3		3 to 4		4 to 5		Total Under 5		5 to 9		10 to 14		15 to 19		20 to 29		30 to 39		40 to 49		50 to 59		60 to 69		70 to 79		80 to 89		90 and Over		Total 5 and Over		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
24. Meningococcus meningitis.....																																						
25. Other epidemic and endemic diseases:																																						
(a) Chickenpox.....																																						
(b) German measles.....																																						
(c) Others under this title.....																																						
26. Glanders.....																																						
27. Anthrax.....																																						
28. Rabies.....																																						
29. Tetanus.....																																						
30. Mycoses.....																																						
31. Tuberculosis of the respiratory system.....																																						
32. Tuberculosis of the meninges and central nervous system.....																																						
33. Tuberculosis of the intestines and peritoneum																																						
34. Tuberculosis of the vertebral column.....																																						
35. Tuberculosis of the joints.....																																						
36. Tuberculosis of other organs:																																						
(a) Tuberculosis of the skin and sub-cutaneous cellular tissue.....																																						
(b) Tuberculosis of the bones (vertebral column excepted).....																																						
(c) Tuberculosis of the lymphatic system (mesenteric and retroperitoneal glands excepted).....																																						
(d) Tuberculosis of the genito-urinary system.....																																						
(e) Tuberculosis of organs other than above																																						
37. Disseminated tuberculosis:																																						
(a) Acute.....																																						
(b) Chronic or unspecified.....																																						
38. Syphilis.....																																						
39. Soft chancre.....																																						
40. Gonococcus infection.....																																						
41. Purulent infection, septicemia.....																																						
42. Other infectious diseases.....																																						

TABLE A—Continued

CAUSES OF DEATH																			
II. General Diseases Not Included in Class I (Continued)																			
65. Leukemia and Hodgkin's disease: (a) Leukemia. (b) Hodgkin's disease.																			
66. Alcoholism (acute or chronic).																			
67. Chronic poisoning by mineral substances: (a) Chronic lead poisoning. (b) Others under this title.																			
68. Chronic poisoning by organic substances.																			
69. Other general diseases.																			
III. Diseases of the Nervous System and of the Organs of Special Sense																			
70. Encephalitis.																			
71. Meningitis: (a) Simple meningitis. (b) Nonepidemic cerebrospinal meningitis. Tabes dorsalis (locomotor ataxia).																			
72. Other diseases of the spinal cord.																			
73. Cerebral hemorrhage, apoplexy: (a) Cerebral hemorrhage. (b) Cerebral thrombosis and embolism.																			
74. Paralysis without specified cause: (a) Hemiplegia. (b) Others under this title.																			
75. General paralysis of the insane.																			
76. Other forms of mental alienation.																			
77. Epilepsy.																			
78. Convulsions (nonpuerperal: 5 years and over)																			
79. Infantile convulsions (under 5 years of age)																			
80. Chorea.																			
81. Neuralgia and neuritis.																			
82. Softening of the brain.																			
83. Other diseases of the nervous system.																			
84. Diseases of the eye and annexa																			
85.																			

TABLE A — Continued

[illegible]

TABLE A — Continued

[illegible]

TABLE A — Continued

CAUSES OF DEATH	Under 1		1 to 2		2 to 3		3 to 4		4 to 5		Total Under 5		5 to 9		10 to 14		15 to 19		20 to 29		30 to 39		40 to 49		50 to 59		60 to 69		70 to 79		80 to 89		90 and Over		Total 5 and Over		Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F			
XIV. External Causes (Continued)	1	
	1	
	1	
	
	
	
	
	
	
	
XV. Ill-Defined Diseases

204. Sudden death.
205. Cause of death not specified or ill-defined:
(a) Ill-defined.
(b) Not specified or unknown.
*Accident occurred within city limits
*Accident occurred outside city limits
TOTALS.	89	58	8	15	3	4	2	1	2	2	104	80	12	4	5	8	14	13	51	46	49	46	75	56	121	89	144	144	102	126	44	73	6	11	623	616	1423
Stillborn.	50	68	..	..	..	..	..	..	..	..	50	68	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	118

Total Cambridge deaths outside City.....274

Non-residents died in Cambridge (including 38 stillborn).....385

TABLE B

	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
Diphtheria										
Number of cases reported.....	220	227	206	257	236	168	51	151	246	141
Morbidity per 100,000 living....	190	200	185	230	210	139	41.8	122	196	110
Death rate per 100,000 living..	7.27	17.2	13.5	16.1	16.9	14.1	2.4	4.85	21.45	3.93
Case death rate, percentage....	8.63	8.37	7.28	4.28	8.05	10.12	5.87	3.90	10.97	3.54
Scarlet Fever										
Number of cases reported.....	278	258	285	508	556	220	330	482	278	178
Morbidity per 100,000 living....	253	233	256	456	490	183	273	389	221	140
Death rate per 100,000 living..	7.2	0.1	0.3	0.4	0.6	0.4	3.3	3.21	2.39	0.00
Case death rate, percentage....	2.87	.751	1.40	.984	1.25	2.27	1.21	0.829	1.07	0.00
Measles										
Number of cases reported.....	910	908	1,491	1,158	764	1,381	721	504	2,085	501
Morbidity per 100,000 living....	827	822	1,343	1,039	689.2	1,149	596	407	166	291
Death rate per 100,000 living..	11.1	4.5	9.0	60.2	0.2	9.9	2.4	3.21	8.78	7.82
Case death rate, percentage....	1.42	0.505	0.670	0.577	0.392	1.01	0.416	0.793	.527	.198
Typhoid Fever										
Number of cases reported.....	17	12	16	15	16	16	17	7	4	11
Morbidity per 100,000 living....	15.4	10.8	14.4	13.4	14.2	13.3	13.9	5.66	3.18	8.65
Death rate per 100,000 living..	2.7	0.9	0.9	3.6	4.5	1.6	4.9	0.8	1.58	1.57
Case death rate, percentage....	17.65	8.33	6.25	26.6	33.3	12.50	35.29	14.28	50	18.18

The death rate, per 100,000, for those dying in Cambridge in 1929 was, for diphtheria, .782; scarlet .000

TABLE C
(per 100,000)

	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
Cancer.....	129.0 171.0	132.0 154.0	129.0 148.0	130.0 152.0	123.0 149.0	107.0 124.0	109.0 130.0	112.0 131.0	106.0 122.0	111.0 114.0
Diarrheal Diseases.....	62.7 59.1	35.3 33.5	36.0 31.5	10.7 10.7	8.9 8.9	12.4 13.3	21.3 16.3	9.7 7.2	11.16 9.17	9.43 9.43
Whooping Cough.....	32.7 20.9	13.5 9.9	5.4 5.4	1.6 1.4	0.1 0.7	4.9 4.9	16.3 13.9	4.0 3.2	6.38 5.58	6.29 6.29
Bronchitis.....	16.3 16.3	12.6 13.5	5.4 5.4	0.6 0.6	0.6 0.6	4.9 4.9	4.9 4.9	6.4 7.2	4.14 4.14	3.14 3.14
Pneumonia.....	189.0 187.0	101.0 102.0	182.0 173.0	180.0 175.0	109.0 109.0	153.0 153.0	128.0 137.0	127.0 121.0	149.0 139.0	153.0 148.0
Pulmonary Tuberculosis.....	91.8 118.0	80.6 108.0	81.2 109.0	70.8 101.0	90.5 105.0	65.7 74.9	71.3 79.6	75.2 79.2	76.5 85.3	62.1 76.3

In this table the upper number is that derived from the number of deaths of Cambridge residents who died within or without the city. Non-residents dying in Cambridge are excluded.
The lower number is derived from the actual number of deaths in the city and includes non-residents, but excludes Cambridge residents who died outside of Cambridge.

TABLE D

Week ending	Diphtheria	Scarlet Fever	Measles	Chicken Pox	Whooping Cough	German Measles	Mumps	Typhoid	Pulmonary Tuberculosis	Hilum Tuberculosis	Other Forms of Tuberculosis	Lobar Pneumonia	Cerebro Spinal Meningitis	Ophthalmia Neonatorum	Suppurative Conjunctivitis	Septic Sore Throat	Influenza	Trachoma	Anterior Polymyelitis	Dog Bite	Malaria	Encephalitis Lethargica	Totals
January 5....	3	1	0	5	12	0	1	0	3	0	0	6	0	0	0	0	19	0	0	3	0	1	54
12....	5	8	1	25	22	0	0	0	0	0	0	12	0	0	0	0	183	0	0	4	0	0	265
19....	6	4	3	15	1	0	5	0	0	0	0	17	0	1	0	0	249	0	0	3	0	0	309
26....	6	0	1	11	15	3	4	0	2	0	0	23	0	0	0	0	176	0	0	1	0	0	246
February 2....	1	8	5	8	4	0	0	0	0	1	0	18	0	0	0	0	60	0	0	2	0	0	111
9....	3	7	2	4	9	0	0	0	0	0	0	5	0	0	0	1	16	0	0	5	0	0	53
16....	3	4	6	14	8	0	0	0	0	0	0	5	0	0	0	0	38	0	0	3	0	0	94
23....	3	1	4	4	9	0	0	0	0	0	0	5	0	0	0	0	25	0	0	2	0	0	60
March 2....	4	3	4	4	10	0	4	0	2	0	1	6	0	0	0	0	12	0	0	1	0	0	66
9....	4	4	15	7	10	0	8	0	0	0	1	8	0	0	0	0	6	0	0	3	0	0	61
16....	4	5	13	5	13	0	5	0	0	0	0	6	0	0	0	0	3	0	0	4	0	0	69
23....	3	8	21	11	17	0	10	0	3	0	0	8	0	0	0	0	5	0	0	9	0	0	74
30....	3	1	15	6	14	0	9	0	0	0	0	5	0	0	0	0	0	0	0	4	0	0	82
April 6....	2	1	15	9	25	0	8	0	0	1	0	5	0	0	0	0	0	0	0	5	0	0	90
13....	2	3	35	4	20	0	4	0	3	1	0	3	0	0	0	0	0	0	0	4	0	0	83
20....	2	2	29	5	15	0	4	0	4	0	0	3	0	0	0	0	0	0	0	4	0	0	92
27....	0	4	33	4	19	0	6	0	4	0	0	2	0	0	0	0	0	0	0	6	0	0	97
May 4....	0	4	26	10	24	0	7	0	5	0	0	5	0	0	0	0	0	0	0	8	0	0	111
11....	0	2	25	23	28	0	20	0	3	0	0	5	0	0	0	0	0	0	0	6	0	0	89
18....	0	7	28	2	17	0	16	0	2	0	0	4	0	0	0	0	0	0	0	13	0	0	62
25....	2	3	21	2	17	0	20	0	1	0	0	4	0	0	0	0	0	0	0	8	0	0	102
June 1....	1	5	31	1	13	0	16	0	7	0	0	0	0	0	0	0	0	0	0	10	0	0	94
8....	1	4	20	3	31	0	9	0	1	0	0	0	0	0	0	0	0	0	0	7	0	0	70
15....	3	4	21	4	9	0	3	0	1	0	0	1	0	0	0	0	0	0	0	6	0	0	55
22....	3	1	16	1	13	0	6	0	0	0	0	1	0	0	0	0	0	0	0	9	0	0	57
29....	2	1	13	4	14	0	6	0	0	0	0	1	0	0	0	0	0	0	0	6	0	0	57

TABLE D — Continued

	Diphtheria	Scarlet Fever	Measles	Chicken Pox	Whooping Cough	German Measles	Mumps	Typhoid	Pulmonary Tuberculosis	Hilum Tuberculosis	Other Forms of Tuberculosis	Lobar Pneumonia	Cerebro Spinal Meningitis	Ophthalmia Neonatorum	Suppurative Conjunctivitis	Septic Sore Throat	Influenza	Trachoma	Anterior Poliomyelitis	Dog Bite	Malaria	Encephalitis Lethargica	Totals
Week ending:																							
July	1	2	14	5	8	0	2	1	7	0	0	0	0	0	0	0	0	0	0	0	0	0	49
6....	3	1	11	6	13	1	11	0	3	0	1	1	0	0	0	0	0	0	0	0	0	0	57
13....	0	0	4	6	12	0	3	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	36
20....	0	0	3	3	11	5	11	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	40
27....	4	2	2	1	9	1	2	0	4	1	0	0	0	0	0	0	0	0	0	0	0	1	36
3....	1	1	2	3	4	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	25
10....	3	0	2	5	2	0	1	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	20
17....	1	0	0	0	11	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	26
24....	6	1	0	0	6	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	30
31....	2	1	0	3	6	0	1	1	2	0	0	0	0	0	0	0	0	0	1	0	0	0	18
September	1	0	2	0	6	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4	0	0	22
7....	2	1	1	1	5	0	3	0	2	1	0	0	0	0	0	0	0	0	0	2	0	0	33
14....	0	1	6	2	11	0	6	1	1	1	2	0	0	0	0	0	0	0	0	3	0	0	34
21....	0	2	0	3	10	1	5	0	3	1	0	0	0	0	0	0	0	0	1	2	0	0	38
28....	2	2	0	8	13	0	2	0	2	0	1	0	0	0	0	0	0	0	0	4	0	0	52
October	1	1	1	1	13	0	9	0	3	1	0	0	0	0	0	0	0	0	3	7	0	0	41
5....	3	2	2	5	5	0	5	1	4	0	1	0	0	0	0	0	0	0	1	12	0	0	60
12....	3	4	1	8	3	0	6	0	0	1	2	0	0	0	0	0	0	0	0	3	0	0	40
19....	4	2	2	5	5	0	11	0	4	0	0	0	0	0	0	0	0	0	0	3	0	0	65
26....	0	2	0	28	0	0	8	2	0	0	0	1	0	0	0	0	0	0	0	3	0	0	52
November	4	2	1	11	2	0	11	0	4	0	0	1	0	0	0	0	0	0	0	3	0	0	62
2....	4	4	1	32	3	0	7	0	0	0	0	1	0	0	0	0	0	0	0	6	0	0	92
9....	3	9	1	12	1	0	13	0	5	0	0	1	0	0	0	0	0	0	1	3	0	0	84
16....	3	4	6	32	1	0	24	0	1	0	0	1	0	0	0	0	0	0	0	3	0	0	102
23....	5	7	4	31	14	0	11	0	3	0	2	3	0	0	0	0	0	0	0	6	0	0	55
30....	9	8	1	42	9	1	16	0	2	0	0	8	0	0	0	1	0	0	0	3	0	0	49
December	3	4	12	14	4	0	1	0	4	0	0	10	0	0	0	0	0	0	0	3	0	0	49
7....	2	2	4	14	0	3	12	0	1	0	0	5	2	0	0	0	1	0	0	3	0	0	3883
14....																							
21....																							
28....																							
30....																							
31....																							
Totals.....	141	178	501	492	564	106	346	11	152	20	23	214	5	12	6	9	802	5	7	286	0	3	3883

TABLE E

Ward	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
DIPHTHERIA													
1	5	1	1	1	1	1	2	2	0	0	3	0	17
2	2	1	0	1	0	3	1	0	4	0	3	1	16
3	3	0	2	1	0	1	0	3	0	0	0	0	10
4	3	0	1	2	0	0	0	0	1	0	3	0	10
5	0	2	1	0	1	2	2	1	1	0	1	6	17
6	1	1	3	0	0	0	1	0	0	1	0	0	7
7	0	0	0	0	0	0	1	5	0	1	0	0	7
8	0	0	0	0	0	0	0	0	0	2	0	0	2
9	1	1	0	0	0	1	0	0	0	1	0	0	4
10	1	0	0	1	0	0	0	1	0	2	0	0	5
11	7	8	7	1	1	1	0	1	0	3	5	12	46
Total	23	14	15	7	3	9	7	13	6	10	15	19	141
SCARLET FEVER													
1	1	1	1	0	2	2	2	1	0	1	2	5	18
2	3	2	3	1	6	1	0	0	0	2	1	3	22
3	1	1	3	1	1	1	0	0	0	0	1	2	11
4	1	1	1	1	0	0	0	0	2	2	5	0	13
5	3	1	1	2	2	0	0	0	1	0	1	2	13
6	1	1	0	5	0	1	0	0	0	0	0	0	8
7	3	1	1	0	0	1	0	1	1	2	2	0	12
8	0	2	0	0	1	1	0	0	0	1	3	0	8
9	6	1	6	1	4	1	2	3	0	0	3	2	29
10	3	3	2	2	1	0	0	0	0	1	1	6	19
11	4	1	5	0	1	0	0	0	1	1	2	10	25
Total	26	15	23	13	18	8	4	5	5	10	21	30	178
MUMPS													
1	3	1	6	3	9	2	1	1	0	0	2	3	31
2	1	1	6	6	35	6	3	1	0	3	7	14	83
3	0	1	7	9	5	4	7	1	0	0	0	0	34
4	1	0	3	2	8	4	3	0	1	0	0	1	23
5	1	0	0	5	0	5	5	1	3	3	8	9	40
6	0	2	3	1	0	1	4	0	5	5	7	15	43
7	1	1	2	2	1	0	1	0	0	2	4	11	25
8	0	1	2	2	0	2	0	0	0	5	8	6	26
9	3	0	2	0	0	1	0	1	0	0	0	0	7
10	1	0	3	0	2	0	2	0	5	4	7	5	29
11	0	0	0	1	2	0	1	1	0	0	0	0	5
Total	11	7	34	31	62	25	27	6	14	22	43	64	346
GERMAN MEASLES													
1	0	0	0	0	0	0	6	0	0	0	0	0	6
2	0	0	0	0	5	4	0	0	0	0	0	0	9
3	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	1	2	2	0	0	0	0	0	0	7
5	0	0	0	5	4	5	0	0	0	0	0	1	15
6	0	0	5	12	13	21	0	0	0	0	0	0	51
7	0	0	1	0	0	0	0	0	0	0	0	1	2
8	0	0	0	2	1	0	0	0	1	0	0	0	4
9	0	0	0	2	0	1	0	0	0	0	0	0	3
10	0	0	0	0	0	3	0	1	0	0	2	0	6
11	0	0	0	0	0	0	0	1	0	0	0	2	3
Total	0	0	8	22	25	36	6	2	1	0	2	4	106

TABLE E — *Continued*

Ward	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals	
MEASLES	1	0	3	0	2	7	3	3	1	0	1	0	1	21
	2	0	2	12	28	29	20	2	0	5	2	0	2	102
	3	0	1	18	14	11	6	1	0	0	0	0	0	51
	4	6	5	21	16	17	1	1	1	2	1	0	0	72
	5	0	1	8	25	31	10	18	1	0	0	0	0	94
	6	3	0	12	26	6	7	1	0	2	0	0	0	57
	7	0	3	4	5	1	0	0	0	0	8	13	34	34
	8	0	0	0	0	2	3	2	0	0	0	0	0	7
	9	1	0	1	1	15	16	1	0	1	0	0	2	38
	10	0	1	1	3	2	1	0	0	1	0	4	13	13
	11	0	0	0	0	0	5	3	1	0	0	3	12	12
Total	10	16	77	120	121	72	32	4	9	6	9	25	501	
CHICKEN POX	1	10	0	3	0	0	1	1	0	1	2	7	9	34
	2	3	3	3	4	14	2	5	2	1	0	8	13	58
	3	4	2	0	1	2	2	2	1	0	0	5	1	20
	4	1	1	3	6	5	0	0	0	0	5	1	2	24
	5	1	0	0	1	5	1	0	0	3	5	13	38	67
	6	0	0	5	0	1	6	5	2	0	3	1	22	45
	7	18	3	6	5	3	0	0	0	0	0	0	1	36
	8	6	1	2	4	0	0	0	0	0	1	23	3	20
	9	4	3	1	1	0	0	0	3	3	17	0	26	78
	10	13	7	2	0	3	0	4	3	0	5	30	16	83
	11	2	5	6	2	0	0	0	0	0	1	9	2	27
Total	62	25	31	24	33	12	17	11	8	39	97	133	492	
WHOOPIING COUGH	1	13	3	11	20	9	5	8	4	0	2	1	1	77
	2	6	2	7	17	11	25	6	6	15	3	1	6	105
	3	3	0	2	9	4	2	0	0	0	6	1	0	27
	4	7	5	7	0	8	2	0	3	1	0	0	3	36
	5	10	6	5	2	0	1	2	1	6	7	0	0	40
	6	1	1	2	0	0	3	7	2	7	0	0	0	23
	7	0	3	9	4	11	0	3	1	5	2	0	0	38
	8	0	1	0	8	24	7	3	0	0	2	0	2	47
	9	0	3	8	11	14	17	19	5	3	5	4	15	104
	10	4	8	1	15	10	5	2	4	0	0	0	0	49
	11	8	5	3	1	0	0	0	0	0	1	0	0	18
Total	52	37	55	87	91	67	50	26	37	28	7	27	564	
PULMONARY TUBERCULOSIS	1	4	5	2	2	6	2	2	1	3	1	0	1	29
	2	2	1	3	4	2	0	4	0	2	4	2	4	28
	3	3	1	0	0	2	1	1	2	0	0	1	1	12
	4	0	1	1	3	0	0	3	2	0	0	1	1	12
	5	1	2	0	1	1	0	1	1	0	0	0	2	9
	6	0	5	2	0	0	3	0	2	1	0	1	0	14
	7	0	0	2	0	0	0	0	0	0	1	2	0	5
	8	0	0	0	1	0	0	3	0	1	1	2	0	8
	9	1	1	0	4	3	0	2	1	0	2	0	2	16
	10	1	2	0	0	0	0	2	1	1	0	1	1	9
	11	0	0	1	1	2	0	1	2	0	3	0	0	10
Total	12	18	11	16	16	6	19	12	8	12	10	12	152	

TABLE E — *Continued*

Ward	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
HILUM TUBERCULOSIS	1	0	1	0	0	1	1	0	0	0	0	0	3
	2	1	0	0	0	1	0	0	0	0	0	4	6
	3	0	0	0	1	0	0	0	0	0	0	0	2
	4	0	0	0	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	1	0	0	0	0	0	0	1
	6	0	0	0	0	0	0	0	0	0	0	0	0
	7	0	0	0	0	0	0	0	0	0	0	0	0
	8	0	0	0	0	0	0	0	0	1	0	0	1
	9	0	0	0	1	1	1	0	0	0	0	0	3
	10	0	0	0	3	0	0	0	0	0	0	0	3
	11	0	0	0	0	0	0	0	1	0	0	0	1
Total	1	1	0	5	4	2	0	0	1	2	0	4	20
TUBERCULOSIS OTHER FORMS	1	0	0	1	0	0	0	0	0	1	0	0	2
	2	0	1	0	0	0	1	0	1	2	0	1	6
	3	0	0	1	0	1	0	1	0	0	0	0	3
	4	0	0	0	0	0	1	0	0	0	0	0	1
	5	0	0	0	0	1	0	0	0	1	0	0	2
	6	0	0	0	1	1	0	0	0	0	0	0	2
	7	0	0	1	0	0	0	0	0	0	0	0	1
	8	0	0	0	0	0	0	0	0	0	0	1	1
	9	0	0	1	1	0	0	0	0	0	0	0	2
	10	1	0	0	0	0	0	1	0	0	0	0	2
	11	0	0	0	0	0	0	0	1	0	0	0	1
Total	1	1	3	3	3	1	1	2	2	4	0	2	23
LOBAR PNEUMONIA	1	9	6	7	5	2	1	2	1	3	1	6	44
	2	15	7	3	0	3	1	0	0	0	2	3	34
	3	7	1	0	0	2	0	0	0	0	0	6	16
	4	3	1	2	0	0	1	0	0	1	3	3	14
	5	10	1	0	2	3	1	0	0	0	1	4	22
	6	7	4	1	1	1	0	0	0	0	1	3	18
	7	6	1	4	0	1	1	0	0	0	2	0	15
	8	2	1	1	0	0	0	0	0	0	0	1	5
	9	1	2	4	2	1	0	0	0	1	0	0	11
	10	4	3	0	1	0	0	1	0	3	0	2	14
	11	6	1	2	1	2	0	1	0	2	0	6	21
Total	70	28	24	12	15	5	4	1	1	10	10	34	214
INFLUENZA	1	56	1	5	1	0	0	0	0	0	0	0	63
	2	67	17	2	1	0	0	0	0	1	0	0	88
	3	32	5	1	0	0	0	0	0	1	0	0	39
	4	51	6	2	0	0	0	0	0	0	0	0	59
	5	37	5	0	0	0	0	0	0	0	1	0	43
	6	35	4	0	1	0	0	0	1	0	0	0	41
	7	86	5	1	0	0	0	0	0	1	0	0	93
	8	112	20	1	0	0	0	0	0	0	0	1	134
	9	150	22	5	0	1	0	0	0	0	0	0	178
	10	38	4	1	0	0	0	0	0	0	0	0	43
	11	14	5	2	0	0	0	0	0	0	0	0	21
Total	678	94	20	3	1	0	0	1	0	3	1	1	802

TABLE E — *Continued*

Ward	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
SEPTIC SORE THROAT													
1	0	0	0	0	1	0	0	0	0	0	0	0	1
2	0	0	0	0	0	1	0	0	0	0	0	1	2
3	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	1	0	0	0	0	0	0	0
7	0	0	1	0	0	0	0	0	0	1	0	0	3
8	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	1	0	0	0	0	0	0	0	0	1	2
10	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	0	1	2	0	1	2	0	0	0	1	0	2	9
TYPHOID FEVER													
1	0	0	0	0	0	1	0	0	1	0	0	0	2
2	0	0	0	0	0	0	0	1	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	1	1	0	2
4	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	1	1	0	0	0	2
6	0	0	0	0	0	0	0	0	0	0	1	0	1
7	0	0	0	0	0	0	0	0	1	0	0	0	1
8	0	0	0	0	0	0	1	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	1	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	1	1	2	4	1	2	0	11
DOG BITE													
1	2	2	5	2	5	8	7	9	6	6	5	2	59
2	0	1	2	5	2	5	5	4	2	1	1	0	28
3	0	2	1	3	5	2	3	3	1	0	2	2	24
4	0	1	1	2	1	3	2	1	0	0	3	2	16
5	0	1	1	3	1	5	0	3	4	2	1	1	22
6	3	4	2	2	3	3	4	1	2	3	1	4	32
7	1	0	3	4	3	4	4	0	3	3	1	2	28
8	1	2	0	1	2	0	0	1	1	2	0	2	12
9	1	0	0	3	5	2	6	1	0	2	2	0	22
10	2	0	2	2	3	1	0	4	2	4	1	2	24
11	1	1	0	0	0	0	1	3	1	6	3	3	19
Total	11	14	17	27	30	33	32	30	22	29	20	21	286
TRACHOMA													
1	0	0	0	0	0	0	0	0	0	1	0	0	1
2	0	2	0	0	0	1	0	0	0	0	0	0	3
3	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	1	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	2	0	1	0	1	0	0	0	1	0	0	5

TABLE E — *Continued*

Ward		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
ENCEPHALITIS LETHARGICA	1	0	0	0	0	0	0	0	1	0	0	0	0	1
	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0	0	0	0	0
	6	0	1	0	0	0	0	0	0	0	0	0	0	1
	7	0	0	0	0	0	0	0	0	0	0	0	0	0
	8	0	0	0	0	0	0	0	0	0	0	0	0	0
	9	0	0	0	0	0	0	0	0	0	0	0	0	0
	10	0	0	0	0	0	0	0	0	0	0	0	0	0
	11	1	0	0	0	0	0	0	0	0	0	0	0	1
Total		1	1	0	0	0	0	0	1	0	0	0	0	3

TABLE G
DISEASES BY WARDS, AND DENSITY OF POPULATION

Wards	1	2	3	4	5	6	7	8	9	10	11	Totals
Population.....	21,990	17,321	10,316	9,707	11,128	11,909	8,578	6,489	9,340	9,934	10,413	127,125
Area (acres).....	421.3	405.9	122.4	158.1	320.4	205.2	300.9	267.5	904.7	554.2	519.6	4180.6 (6.53 sq. m.)
Density (per acre).....	51	42	82	60	34	57	28	24	10	17	19	30
Diphtheria.....	17	16	10	10	17	7	7	2	4	5	46	141
Scarlet Fever.....	18	22	11	13	13	8	12	8	29	19	25	178
Mumps.....	31	83	34	23	40	43	25	26	7	29	5	346
German Measles.....	6	9	0	7	15	51	2	4	3	6	3	106
Measles.....	21	102	51	72	94	57	34	7	38	13	12	501
Chicken Pox.....	34	58	20	24	67	45	36	20	78	83	27	492
Whooping Cough.....	77	105	27	36	10	23	38	47	104	49	18	564
Pulmonary Tuberculosis.....	29	28	12	12	9	14	5	8	16	9	10	152
Hilum Tuberculosis.....	3	6	2	0	1	0	0	1	3	3	1	20
Tuberculosis, other forms.....	2	6	3	1	2	2	1	1	2	2	1	23
Lobar Pneumonia.....	44	34	16	14	22	18	15	5	11	14	21	214
Influenza.....	63	88	39	59	43	41	93	134	178	43	21	802
Ophthalmia Neonatorum.....	3	3	0	0	3	1	1	0	0	0	1	12
Suppurative Conjunctivitis.....	2	0	1	0	0	0	0	0	1	0	2	6
Anterior Poliomyelitis.....	0	0	0	2	1	0	0	2	1	1	0	7
Cerebrospinal Meningitis.....	0	0	1	0	1	0	1	0	0	0	2	5
Typhoid Fever.....	2	1	2	0	2	1	1	1	1	0	0	11
Septic Sore Throat.....	1	2	0	0	0	0	3	0	2	0	1	9
Dog Bite.....	59	28	24	16	22	32	28	12	22	24	19	286
Trachoma.....	1	3	0	0	0	1	0	0	0	0	0	5
Encephalitis Lethargica.....	1	0	0	0	0	1	0	0	0	0	1	3
Malaria.....	0	0	0	0	0	0	0	0	0	0	0	0
Totals.....	414	594	253	289	392	345	302	278	500	260	216	3883

TABLE H
DEATHS BY MONTH AND WARD
(Including Stillbirths)

[illegible]

TABLE I
DIPHTHERIA (Morbidity, by Months)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
1920.....	33	35	19	15	13	18	8	12	11	16	23	17	220
1921.....	16	17	7	32	27	29	15	12	16	17	20	19	227
1922.....	17	18	10	17	22	9	7	9	15	24	32	26	206
1923.....	24	18	23	29	19	8	13	19	17	26	32	29	257
1924.....	21	26	20	18	22	21	18	15	15	21	9	30	236
1925.....	37	24	10	22	13	11	9	14	8	4	8	8	168
1926.....	10	1	3	8	7	3	0	1	2	5	6	5	51
1927.....	3	6	4	8	9	26	8	6	21	13	18	29	151
1928.....	40	43	14	20	20	23	17	7	16	16	18	12	246
1929.....	23	14	15	7	3	9	7	13	6	10	15	19	141

DISEASES DANGEROUS TO THE PUBLIC HEALTH**DIPHTHERIA**

There were five (5) deaths from this disease this year. All five deaths were due to negligence on the part of the parents, the children having had sore throats for a few days, and no physician was called. The number of cases reported was reduced almost one half.

I wish at this time to recommend to the Board of Health that a regulation be passed compelling physicians who have seen or attended a child with diphtheria to inject a preventative dose of antitoxin to other children of the family if there are such.

SCARLET FEVER

While we had 178 cases reported during the year it was of a very mild type. There were no deaths from this disease of Cambridge residents within or without the city.

TYPHOID FEVER

Eleven (11) cases were reported this year, seven (7) more than in 1928. There were two (2) deaths. The source of infection in any of the cases reported could not be traced to Cambridge. Two (2) of the cases reported were traced to a summer resort in Maine.

TUBERCULOSIS

The death rate of Cambridge residents (62.1) is the lowest in the history of the city. There were ninety-seven (97) deaths from this disease in the city. Thirty-five (35) of these were non-residents and seventeen (17) Cambridge residents died outside the city.

MEASLES

There was a marked drop in the number of cases reported and only one death. The year 1928 there were over 2,000 cases reported. During 1929 we had 501 cases reported.

AUTOMOBILE ACCIDENTS

The number of people who died as result of automobile injuries in Cambridge was thirty-one (31). Of this number eleven (11) were injured outside of Cambridge but were brought to the hospitals here and died. Sixteen (16) of the thirty-one (31) were non-residents of Cambridge.

COMMUNICABLE DISEASE NURSES

Old cases unreleased January 1, 1929.....	13	
New cases for isolation.....	215	
All cases released.....	208	
Original inspections (including investigations).....	5454	
Subsequent visits.....	942	
Cases to hospital.....	200	
Unreported cases discovered.....	797	
New cases.....	2571	
Scarlet fever.....	173	
Diphtheria.....	141	
Measles.....	347	
German measles.....	94	
Chicken pox.....	472	
Whooping cough.....	552	
Mumps.....	344	
Lobar pneumonia.....	111	
Influenza.....	39	
Dog bites.....	247	
Rabid dog bites.....	2	
Cat bite.....	1	
Chimpanzee bite.....	1	
Squirrel bite.....	1	
Typhoid fever.....	8	
Infantile paralysis.....	7	
Sleeping sickness.....	3	
Cerebrospinal meningitis.....	5	
Septic sore throat.....	7	
Gonorrhea.....	5	
Syphilis.....	3	
Trachoma.....	5	
Suppurative conjunctivitis.....	3	
Cases unreleased December 31, 1929.....		20

SOCIAL WORKER

The report of the Social Worker for the year ending December 31, 1929, is as follows:

Visits made during the year	1,498
Settlements determined (as listed below)	492
State cases	105
Cambridge cases	131
Other cities and towns	134
State Sanatorium applications	46
Out-of-town notices	76
Bills investigated and approved for payment from out-of-town Boards of Health	120
Bills investigated and disapproved for reason that families were financially able to pay	27
Concerts given at the Tuberculosis Hospital	9

The Department is grateful to the following organizations, firms, and individuals for their continued contributions in a material way toward the comfort and pleasure of the patients at the Tuberculosis Hospital: Cambridge Tuberculosis Association; Cambridge Post, American Legion; St. Paul's Dramatic Club; Florence Herrick Dancing School; Recreation Department of the City of Cambridge; Moxie Company; National Biscuit Company; Ward Baking Company; Bushway Ice Cream Company; Mansion House Ice Cream Company; Hood's Ice Cream Company; Potter Confectionery Company; Close Candy Company; Fanny Farmer Candy Shops; Woolworth Five and Ten Cent Store; Lewis Aaron Sons; New England Film Board of Trade; Professor and Mrs. J. H. Beale; Mrs. J. L. Paine; Misses Fowler; Mrs. Lake; Miss Helen Day; Mrs. Elizabeth Douglas; and others whose names may be unintentionally omitted. Also grateful to the Salvation Army and the Boy Scout Bands.

SCHICK CLINICS

(Diphtheria Immunization)

Total number of cases in clinics.....	14,463
Total number of persons Schicked.....	3,170
Total number of persons Reschicked.....	1,226
Total number of persons read.....	4,269
Total number of persons read, positive (first time).....	921
Total number of persons read, negative (first time).....	1,363
Total number of persons read, pseudo (first time).....	759
Total number of persons finished.....	3,594
Total number of doses T. A. T. given.....	7,331
T. A. T. (Reschicked).....	979
Positive.....	484
Negative.....	304
Pseudo.....	191
Negative (Reschicked).....	113
Positive.....	7
Negative.....	95
Pseudo.....	11
Total number of clinics held.....	332

A detailed account of the Schick Clinics follows:

SCHICK CLINICS
(Showing Detail of Each Clinic)

	Finished	T. A. T.	Schicked	Read	Positive	Negative	Pseudo	Questionable	No. Clinics
Sacred Heart.....	151	185	96	128	12	92	24		12
*Webster.....	41	99	220	38	14	17	7		8
St. Peter's.....	90	147	2	9	4	4	1		9
St. Mary's.....	602	1,033	227	233	44	104	85		22
St. John's.....	103	260	246	227	95	60	62		14
St. Paul's.....	310	538	191	181	86	51	74		13
*Willard.....	109	242	67	34	15	16	3		11
Charlesgate.....	14	36		27	20	3	4		3
Harvard.....	30	66	39						5
Merrill.....	23	68	10						5
Felton.....	18	40	5						4
Peabody.....	104	228	55	54	26	15	13		8
Agassiz.....	96	192	57	53	39	11	3		7
Newtowne.....	4	11							3
Wyman.....	11	31							4
Ellis.....	7	22	5						3
Sleeper.....	157	280	70	90	33	42	15		12
French.....	83	209	41	36	22	9	5		5
Putnam.....	145	171	175	169	29	101	39		13
Taylor.....	44	106	37	36	6	20	10		9
Thorndike.....	80	170	141	128	28	64	36		13
City Hall.....	646	1,045	366	692	213	328	151		75
Houghton.....	94	318	23						5
St. Hedwig's.....	51	151	154	150	29	76	45		7
St. Francis.....	4	20	34	29	6	12	11		5
Kelley.....	272	532	312	320	96	140	84		17
*Greek.....		17	27	26	6	16	4		2
Blessed Sacrament.....	60	137	159	28	2	20	6		6
Morse.....	91	267	91	19	6	12	1		5
Neighborhood House...	61	195	12	7	3	3	1		7
Rindge Field.....	3	7	9	4		1	1	2	6
Sacred Heart Playground.....	43	74	34	35	9	18	8		7
Corporal Burns' Playground.....	3	9	10	4	1	3			5
Wellington.....	71	259	155	196	51	84	61		8
Gannett.....		53	28	37	7	16	14		4
Sunshine Camp.....	6	18	23	23	5	11	7		6
Summer School (Haggerty).....		2	11	8		8			4
Central Day Camp....			4						2
St. Mary's Gymnasium.		1	9	14	8	5	1		2
Total.....	3,517	7,239	3,135	3,025	905	1,362	766	2	356

* Interchange with City Hall.

The work this year has been the most satisfactory of any year, both from the number of persons at the clinics and in the interest shown by people in general.

There is still much to be desired, as there are plenty of children in the city who have not been Schicked.

Would that this work was compulsory in the first three grades of school. Would that there were more pre-school clinics similar to the Neighborhood House, in order that the children be immunized before entering school.

INFANT WELFARE NURSES

The work of the division has been carried on as in former years.

Clinics were held at the following places:

Haggerty School, Cushing Street	Mondays,	2.30 p.m.-3.30 p.m.
Morse School, Brookline and Allston Streets . . .	Mondays,	2.30 p.m.-4.00 p.m.
Putnam School, Fourth and Otis Streets	Tuesdays,	3.00 p.m.-4.00 p.m.
Sleeper School, Dudley Street	Wednesdays,	2.00 p.m.-4.00 p.m.
Kelley School, Willow Street	Thursdays,	2.30 p.m.-4.00 p.m.
Houghton School, Putnam Avenue and Magee Street	Fridays,	3.00 p.m.-4.00 p.m.
Agassiz School, Sacramento and Oxford Streets . .	Fridays,	3.00 p.m.-4.00 p.m.

A detailed report of the work is submitted herewith; also infant mortality rate for past ten years; also mortality by age groups.

INFANT MORTALITY (UNDER ONE (1) YEAR)

(Per 1,000 live births)

	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
Number of births	3,347	3,422	3,400	3,434	3,678	3,438	3,416	2,910	2,813	2,655*
Number of deaths	276	200	241	213	166	178	192	156	150	147
Rate	82	61	70	62	45	52	56	54	53	55

1929

Total number of deaths under one year	147
Number of deaths under twenty-four hours	41
Number of deaths between twenty-four hours and one week	24
Number of deaths between one week and one month	21
Number of deaths between one month and one year	61
Number of stillborns	118

* Previous to 1927 the City Clerk in his report has included number of Cambridge resident births outside the city, as well as non-residents in the city. This year only actual births in Cambridge are included.

The division is grateful to the various social agencies, and private individuals for the coöperation and aid given in this work.

We regret that Dr. Hubbard has resigned from the Morse School Clinic. He has given faithful and gratuitous services since November 6, 1922, and has never missed one clinic since that time.

The division is grateful to Doctors Samuel A. Clement, Samuel Chalfen, Eliot Hubbard, Edward Goodwin, Myer Marlin, M. F. Amaral, T. C. Weinert, A. Weidman, and F. Downey.

ANNUAL REPORT OF INFANT WELFARE — 1929

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Home visits.....	448	422	571	575	682	646	731	700	473	672	617	599	7,136
New cases.....	74	70	61	48	65	74	31	53	98	147	79	110	960
Breast-fed.....	49	56	47	29	48	46	44	34	73	109	54	83	662
Bottle-fed.....	18	10	12	13	9	20	28	14	21	27	17	18	207
Breast and bottle-fed.....	7	4	2	6	8	8	9	5	4	11	8	9	81
Closed cases.....	42	54	148	71	73	90	52	52	63	51	55	54	795
Babies over one year.....	28	43	131	52	54	67	36	44	39	28	42	44	608
Moved.....	4	10	15	17	19	22	14	7	13	18	13	8	160
Died.....	10	1	2	2	0	1	2	1	1	5	0	2	27
Ophthalmia Neonatorum.....	0	0	0	1	1	2	1	0	1	1	3	1	11
Conjunctivitis.....	0	0	0	0	0	0	0	1	1	0	0	0	2

Number of babies on visiting list, January 1, 1928.....918

Number of babies on visiting list, January 1, 1929.....1,083

CLINICS

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Sleeper School:													
Number of clinics.....	5	4	4	4	5	4	5	4	4	5	4	3	51
Total attendance.....	189	143	183	140	256	235	272	224	198	218	181	100	2,339
New cases.....	16	12	13	12	25	28	24	17	4	15	18	7	191
Closed cases.....	3	2	1	0	0	0	5	0	6	1	1	0	19
Registered.....	1,696	1,706	1,718	1,730	1,755	1,783	1,802	1,809	1,807	1,821	1,838	1,845	1,845
Haggerty School:													
Number of clinics.....	4	4	4	5	4	4	5	4	4	4	2	4	48
Total attendance.....	24	46	37	58	74	55	70	47	51	44	22	24	552
New cases.....	5	6	5	6	7	4	6	2	6	3	4	0	54
Closed cases.....	0	0	1	2	6	0	2	1	0	0	2	0	14
Registered.....	357	364	368	372	373	377	381	382	388	391	393	393	393
Kelley School:													
Number of clinics.....	4	2	4	4	4	4	3	5	4	5	3	4	46
Total attendance.....	102	24	142	210	246	326	144	272	227	262	132	128	2,175
New cases.....	8	4	22	30	27	49	17	22	20	36	11	10	256
Closed cases.....	0	0	0	0	0	0	0	0	0	881	0	0	881
Registered.....	1,100	1,104	1,126	1,156	1,182	1,231	1,248	1,270	1,290	445	892	902	1,290
Putnam School:													
Number of clinics.....	4	3	3	4	4	4	5	4	4	4	5	4	48
Total attendance.....	52	32	60	66	92	110	142	136	107	99	96	13	1,105
New cases.....	11	3	14	12	10	32	10	14	10	8	11	12	146
Closed cases.....	0	0	0	0	0	0	0	0	0	32	0	0	32
Registered.....	326	329	343	355	345	377	387	401	411	387	398	410	411

[illegible]

Total number of clinics.....	338	Total number of new cases.....	970
Total attendance.....	8,631	Total number registered.....	5,450

CAMBRIDGE VISITING NURSING ASSOCIATION

(In Co-operation with Board of Health)

Station: Cambridge Neighborhood House, Harvard at Moore Street

Total Registration:

Babies under 1 year.....	369	
Babies between 1 and 2 years.....	294	
	<hr/>	663

New Cases:

City babies.....	224	
Conference babies.....	337	
	<hr/>	561

Discharged:

Completion of year of City Supervision.....	180	
Died.....	10	
Transferred to pre-school file.....	388	

Number of conferences..... 50

Total number attending, babies..... 3,723

Home visits, total..... 4,029

Cases referred to:

Cambridge Welfare Union.....	28	
Private physician.....	83	

Hospital clinics:

Cambridge City Hospital.....	11	
Massachusetts Eye and Ear.....	4	
Children's Hospital.....	27	
Cambridge Hospital (Mt. Auburn Street).....	29	
Rainy Clinic days.....	7	

DISPENSARY FOR TUBERCULOSIS

The total number of physical examinations was 1,117.

Of this number 277 were new cases.

These were divided according to sex, as follows:

Males.....	108	Females.....	169
------------	-----	--------------	-----

The youngest person examined was four months old; the oldest, 60 years.

There were 166 children examined under the age of 15 years.

The relative ages of the new cases follow:

Under 15 years of age.....	166
Between 15 and 20 years of age.....	170
Between 20 and 30 years of age.....	40
Between 30 and 40 years of age.....	27
Between 40 and 50 years of age.....	9
Between 50 and 60 years of age.....	7
Between 60 and 70 years of age.....	1

Diagnosis of new cases:

Positive cases.....	57
Arrested cases.....	4
Suspicious cases.....	41
Negative cases.....	117
Deferred cases.....	72
Total.....	291

(The four arrested cases are also classified in the number of positive cases. Ten cases of deferred diagnosis in previous report are classified in above tabulation.)

The clinical forms of Tuberculosis were classified as follows:

Pulmonary Tuberculosis.....	31
Pulmonary and Glandular.....	2
Pulmonary and Laryngeal.....	2
Pulmonary and Spinal.....	1
Hilum Tuberculosis.....	14
Hilum and Laryngeal.....	1
Tuberculosis of Spine.....	1
Tuberculosis of Mesenteric Lymph Nodes.....	1
Tuberculosis of Cervical Lymph Nodes.....	1
Tubercular Salpingitis.....	1
Tuberculosis of Ankle.....	1
Tuberculosis of Kidney.....	1
Total.....	57

There were twenty-one suspicious cases under the age of 15 years.

Ages of the positive cases follow:

<i>Age</i>	<i>No. Cases</i>	<i>Age</i>	<i>No. Cases</i>	<i>Age</i>	<i>No. Cases</i>
1	2	16	2	32	1
2	3	18	1	33	3
3	1	19	1	34	1
4	1	20	3	36	3
5	1	21	1	38	1
6	1	22	1	41	1
7	2	24	2	43	1
8	3	25	2	47	1
9	1	26	2	49	1
11	1	29	1	50	2
12	3	30	1	53	1
15	2	31	1	56	1
				60	1

Positive cases were divided according to sex as follows:

Males.....33 Females 24

Of the 57 cases of Positive Tuberculosis found, 28 were originally diagnosed at the Dispensary.

This represents the fourteenth annual report of the Dispensary for Tuberculosis. The figures above tabulated for 1929 will show the largest number of new cases examined since the opening of the Dispensary, exceeding by 27 the former high total of the year 1927. There were also 238 more re-examinations this year than in any prior report. Another noteworthy feature was the drop in the number of children classified in the "suspicious" group; namely 21, the lowest number since the 1925 report.

The clinics are held at the Old Out-Patient Department of the Municipal Hospital on Tuesday and Saturday mornings at 9.30 o'clock, and Thursday evenings at 6:45 o'clock.

TUBERCULOSIS FIELD NURSES

Reported cases (1929):

New cases reported.....	195
Died.....	49
Moved out of town.....	21
Gone to hospitals.....	63
Disappeared.....	0
To visiting list.....	45
Private physicians attending.....	17

Visiting list (home):

Cases brought forward.....	926
Cases admitted to hospitals.....	45
Returned patients from hospitals and sanatoria.....	76
	— 1,047

Dropped:

Died.....	41
Gone to hospitals and sanatoria.....	108
Moved out of town.....	38
Disappeared.....	5
	— 192

On visiting list today.....	855
Home visits (original).....	203
Home visits (subsequent).....	2,690
	— 2,893

Predisposed or suspected cases from last year.....	256
Dropped.....	15
New cases on list.....	35
	—

At present on visiting list.....	276
Cases diagnosed as arrested during year.....	19
Total cases on record today.....	1,636

TIME ELAPSING BETWEEN "REPORT" AND "DEATH"
(1929 DEATHS — 68*)

Cases reported after death.....	11
Seven days or less.....	10
Eight to fourteen days.....	1
Fifteen to twenty-one days.....	4
Twenty-two to thirty-one days.....	4
Within first month (total).....	19
Within second month.....	9
Within third month.....	3
Within fourth month.....	6
Within fifth month.....	2
Within sixth month.....	2
Six to nine months.....	7
Nine to twelve months.....	5
One to two years.....	4
Over two years.....	11
	—

* Cambridge residents only.

68

TUBERCULOSIS HOSPITAL

(799 Concord Avenue, Overlooking Fresh Pond)

On January 1, 1929, there remained in the hospital from the previous years, 66 cases. During the year we admitted 152 cases, and readmitted 19 cases, making a total of 171 cases admitted, and a total of 237 cases treated in 1929.

RESIDENTS

Of the 66 patients remaining in the hospital from the previous years, 49 were patients of 1928; 7 of 1927; 5 of 1926; 1 of 1925; 1 of 1923; 1 of 1920; 1 of 1908.

1908. A case of Chronic Phthisis. Discharged to go to work March 26, 1929. Readmitted December 2, 1929.

1920. A case of Chronic Phthisis. Discharged November 3, 1929.

1923. A case of Chronic Phthisis. Died April 8, 1929.

1925. A case of Chronic Phthisis. Still resident.

1926. Five cases of Chronic Phthisis remained in the hospital; one died March 5, 1929; one died October 2, 1929; three cases still resident.

1927. Seven cases of Chronic Phthisis remained in the hospital; one was transferred to North Reading State Sanatorium; one was discharged to go to work May 7, 1929; one case was discharged June 30, 1929; four cases still resident.

1928. Forty-eight cases remained in the hospital. Seventeen were discharged improved; five were transferred. One went to Lakeville Sanatorium; one to Tewksbury State Hospital; one to Dr. Crane's Sanatorium in Rutland; two to Cambridge City Hospital. One case was readmitted and was transferred to Norfolk County Hospital later in the year. Eleven are still resident in hospital.

READMISSIONS

Nineteen were readmitted in 1929; against seventeen cases of last year.

One was a case of 1928; one a case of 1908; one, a case of 1912, was readmitted and died; one, a case of 1916, readmitted and left O. R. A. A.; one, a case of 1923, was readmitted and transferred to Cambridge City Hospital for delivery five months later. Three cases of 1925 were readmitted; one died; two are still resident. Three cases of 1927 were readmitted; one was dis-

charged improved; one died; one is still resident. One case of 1928 was readmitted and was transferred later in the year to Norfolk County Hospital.

Six cases of 1929 were readmitted; one was transferred to Rutland State Hospital; four left O. R. A. A. and were admitted later; one died December 3, 1929; one, a case of 1929, was transferred to Cambridge City Hospital for delivery and was readmitted again December 26, 1929.

NEW CASES

During the year of 1929 there were 152 new cases admitted, as against 119 cases of last year.

Stages. Twelve were incipient cases. Four were hilum; one hundred and thirty-five were advanced.

Sex. Eighty-two males and sixty-nine females were admitted as against seventy-one males and forty females of the year of 1928.

Ages.....	1-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
Cases.....	3	12	47	38	36	7	4	2

Social Status. Married, 98; divorced, 2; widowed, 5; single, 52.

Nativity. Forty-seven were foreign born. One hundred fifty-four were born in the United States. Fifty-three were born in Massachusetts. Sixteen were born in Cambridge.

NATIONALITY

American.....69	Armenian..... 3	Norwegian..... 1
Swedish..... 2	Albanian..... 2	Jewish..... 5
Italian.....11	Irish..... 25	Portuguese..... 2
Danish..... 2	Polish..... 2	Chinese..... 1
Canadians.....19	Scotch..... 2	Russian..... 1
American Negro..... 5		

OCCUPATIONS

Housewife.....38	No occupation..... 1	Radio repairman..... 1
Bookkeeper..... 2	Night watchman..... 1	Attendant..... 1
Laundryman..... 1	Waiter..... 4	Bookbinder..... 1
Factory employees... 22	Porter..... 1	Retired..... 1
Elevator supervisor... 2	Graduate Nurse..... 1	Mechanic..... 3
Stenographer..... 2	Stonecutter 1	Farmer..... 1
Teamster..... 1	Shipper..... 1	Roofer..... 1
Auto mechanic..... 1	Teacher..... 1	Students..... 6
B. E. Conductor..... 3	Painter..... 6	Laborer.....15
Pupil Nurse..... 1	Baby..... 3	Chauffeur..... 8
Salesman..... 5	Janitor..... 4	Forester..... 1
Domestic..... 2	Saleslady..... 1	Plasterer..... 1
Pressfeeder..... 2	Waitress..... 1	Jeweler..... 1

CLINICAL FORMS

Chronic Pulmonary Tuberculosis.....	144
Hilum Tuberculosis.....	4
Non-tuberculous.....	4

COMPLICATIONS

Hemorrhage.....	8	Tuberculous testicle.....	1
Tuberculous throat.....	8	Arthritis.....	3
Asthmatic.....	3	Acute Pneumonic Phthisis.....	1
Acute Miliary.....	5	Tuberculous Spine.....	4
Arteriosclerosis.....	1	Vulvo Vaginal Abscess.....	1
Intestinal Tuberculosis.....	19	Diabetic.....	1
Ataxic paraplegia.....			1

SOURCE

One hundred and two gave a history of one or more cases in the immediate family. Of the remaining forty-two, no source of contagion could be established.

TRANSFERS

One case was transferred to Tewksbury; four were transferred to Cambridge City Hospital; one case was transferred to Lakeville; one to Westboro State Hospital for Insane; two to North Reading; one to Lowell Tuberculosis Hospital; one to Burbank Hospital, Fitchburg; one to Boston City Hospital; four to Rutland State Sanatorium; one to Norfolk County Hospital, making a total of seventeen transfers in 1929.

SPUTA

One hundred and fifty cases were positive on entrance; eighteen were negative.

RESULTS

Seventy-one were discharged dead (29%); seventy were discharged improved (30%); twelve went home O. R. A. A. Eighty-two are still in hospital.

AVERAGE HIGHEST AND LOWEST NUMBER OF PATIENTS EACH MONTH

	High	Aver.	Low		High	Aver.	Low
January.....	73	69	65	July.....	78	78	74
February.....	76	72	76	August.....	80	74	68
March.....	84	79	87	September.....	73	72	69
April.....	75	73	76	October.....	75	70	69
May.....	79	77	75	November.....	77	74	72
June.....	79	77	78	December.....	80	77	79

SCHOOL MEDICAL INSPECTION

There were 22,103 physical examinations of public and parochial school children made this year out of a total school population of 22,847.

We are still sadly in need of more hospital facilities for the removal of tonsils. Out of 5,256 tonsil cases listed we were only able to have 677 cases corrected.

Below are listed the conditions found at the annual physical examinations:

Defective teeth.....	1,794	Otitis media.....	6
Tonsils.....	5,256	Chicken breasted.....	4
Adenoids.....	162	Tonsillitis.....	2
Pediculosis.....	252	Stye.....	2
Glands.....	1,601	Psoriasis.....	1
Bronchitis.....	48	Anemia.....	11
Cardiac.....	515	? Skin.....	12
Impetigo.....	67	Dermatitis.....	2
Scabies.....	32	Tb. knee.....	2
Ringworm.....	20	Albino.....	2
Malnutrition.....	289	Rupture.....	2
Orthopedic.....	80	Chorea.....	2
Mental retarded.....	29	Asthma.....	2
Defective vision.....	161	Nervous.....	3
Posture.....	170	Fractures.....	3
Strabismus.....	28	Deaf.....	1
Enlarged thyroids.....	12	Deviated septum.....	4
Boils.....	13	Old Infantile.....	1
Acne.....	21	Moles.....	1
Lungs (rales).....	11	Nasal obstruction.....	1
Blepharitis.....	15	Colds.....	1
Dirty.....	2	Wry neck.....	1
Chicken Pox.....	1		
Abscess.....	2	Total examinations.....	22,103
Curvature.....	3	Number found O. K.....	13,741
Flat feet.....	1	Number defective children.....	8,362
Cleft palate.....	1		

Following are the defects found by Doctors during the year 1929; also a list of the exclusions during the year:

Scabies.....	34	Boils.....	5
Impetigo.....	112	Psoriasis.....	2
Herpes.....	10	Sore throat.....	18
? Skin.....	14	Tonsillitis.....	21
Hives.....	4	Colds.....	65
Unclean.....	3	Bronchitis.....	5
Furuncle.....	2	Pharyngitis.....	5
Ringworm.....	13	Questionable.....	26
Seborrhea sicca.....	2	Abscess.....	8
Dermatitis.....	14	Unsuccessful vaccinations.....	10
Chicken pox.....	5	Grippe.....	4
Eczema.....	19	Croup.....	1
Acne.....	5	Pediculosis.....	42

Conjunctivitis.....	21	Scabies.....	37
Blepharitis.....	6	Pediculosis	30
Stye.....	9	Mumps.....	17
Strabismus.....	5	Whooping cough.....	7
Otitis media.....	12	Nasal diphtheria.....	1
Ear ache.....	1	Chicken pox.....	7
Warts.....	1	German measles.....	4
Dog bite.....	1	Measles.....	1
Mental retarded.....	24	Scarlet fever.....	1
Mumps.....	3	Favus.....	1
Malnutrition.....	9	Tonsillitis.....	7
Chorea.....	2	Ringworm.....	5
Malingerer.....	6	Tuberculosis.....	1
Infections.....	13	Influenza.....	1
Injuries.....	51	Grippe.....	2
Burns.....	4	Questionable.....	2
Contusion of eye.....	2	Conjunctivitis.....	7
Cigarette smoker.....	2	Chorea.....	1
Glands.....	13	Bronchitis.....	2
Excluded by Doctors.....	281	Colds.....	4
Impetigo	136	Unsuccessful vaccinations...	7

SCHOOL NURSES

The work of the School Nurses is carried on by the Board of Health with the coöperation of the School Department. The nurses' work includes public and parochial schools (high and grade).

During the summer the nurses were on duty at the camps conducted by the School Department at the Haggerty and High Schools, as well as attending various clinics with defective children.

Following is a statistical report of the work done by the School Nursing Division:

Physicians' examinations.....	2,6773
Nurses' examinations.....	126,974
State notices sent.....	10,099

DEFECTS

Vision.....	1,185
Tonsils.....	5,256
Pediculosis.....	1,289
Orthopedic.....	168
Teeth.....	13,459

CORRECTED CASES

Vision.....	623
Tonsils.....	701
Pediculosis.....	1,170
Orthopedic.....	15
Teeth.....	3,346

HOME VISITS

Malnutrition.....	467
Tonsillitis.....	278
Tonsils and adenoids.....	677
Pediculosis.....	384
Conjunctivitis.....	127
Ringworm.....	140
Scabies.....	175
Impetigo.....	298
Teeth.....	346
Defective vision.....	933
Measles.....	86
Chicken pox.....	61
Pertussis.....	33
Mumps.....	64
Cervical glands.....	9
Cultures taken.....	18
Cardiacs.....	100
Schick Readings.....	28
Mental retarded.....	6
Hernia.....	3
Scarlet fever.....	3
Miscellaneous.....	1,575

Total..... 5,811

DISPENSARY VISITS

Number of visits.....	853
Eye cases.....	1,188
Ear cases.....	24
Teeth.....	502
Medical.....	257
Surgical.....	215
Posture.....	159

Total..... 2,345

PRE-SCHOOL CLINIC

(April 29-May 3, 1929)

Number of clinics.....	8
Number examined.....	265
Number found O. K.....	97
Number defective children.....	166
Teeth.....	86
Tonsils.....	111
Strabismus.....	4

Eczema.....	2
Impetigo.....	1
Glands.....	5
Dirty.....	2
Chorea.....	2
Cultures taken.....	1
Cardiac.....	3
Questionable.....	1
Vaccinated.....	49
Questionable.....	27
Not vaccinated.....	151
Not asked if vaccinated.....	38

WORK CERTIFICATE CLINIC

(See Dr. Andrew's Report)

Number examined.....	1,559
Boys.....	882
Girls.....	677
New.....	821
Old.....	738
Defective children.....	344
Defects found.....	596
Teeth.....	195
Tonsils.....	89
Defective vision.....	118
Pediculosis.....	144
Impetigo.....	3
Cardiac.....	35
Rales (lungs).....	5
Deaf.....	3
Strabismus.....	4
Cases corrected.....	182
Vision.....	40
Teeth.....	11
Tonsils.....	4
Pediculosis.....	119
Cases deferred a few days.....	132

DENTAL REPORT

— EXAMINATIONS

Number of examinations.....	16,687
Perfect.....	734
Good.....	2,484
Urgent.....	792
Orthodontia.....	320
Fillings.....	11,015
Cleanings.....	11,167
Extractions.....	7,433
Children needing dental care..	13,459

SUMMER SCHOOL WORK

Examined by Physicians.....	1,403
Defective children.....	541
Defects found.....	618
Normal or overweight.....	175
Underweight $\frac{1}{2}$ to 2 pounds...	717
Underweight 7%, 10% and 15%.....	511
7%.....	229
10%.....	183
15%.....	99

Of this group only seven children under the Ten-Year Program would attend summer school.

WORK CERTIFICATE CLINIC

Number examined			1,559
New cases	821	Boys	882
Old cases	738	Girls	677

DEFECTS FOUND (344)

Teeth	195	Defective Vision	118
Pediculosis	144	Rales (Lungs)	5
Tonsils	89	Cardiacs	35
Defective Vision	118	Impetigo	3
Deaf	3	Strabismus	4
Cases corrected			182
Vision	40	Tonsils	4
Teeth	11	Pediculosis	119
Number deferred a few days			132

DENTAL CLINICS

The Central Clinic, 1491 Cambridge Street, has been conducted all year as heretofore and the District clinics at the Thorndike, Wellington, Roberts, Webster, Russell, and Ellis Schools are conducted mornings during the school year. During the construction of the new Roberts School the Roberts Clinic was located temporarily at the Wellington School.

During the year the School Dentists examined and classified the teeth of 16,000 children in the grade schools.

A summary of the dental clinics' work is as follows:

Patients:	
Old cases	641
New cases	3,719
Total	4,360
Cases discharged	2,372
Cases continued	1,988
Treatments:	
Number of visits	15,904
Number of fillings	10,584
Number of extractions	8,291
Number of treatments	4,782
Number of free cases	995

BACTERIOLOGIST AND INSPECTOR OF MILK

The total number of laboratory examinations was 6,075 divided as follows:

2,102 bacteriological examinations for cultures, sputa, blood, smears, stools, urines, etc.

2,588 samples of milk were examined chemically, of which number 1,449 were from milk wagons, 867 were from stores and 272 from restaurants.

887 samples of milk were examined bacteriologically by the official plate count method.

348 samples of cream were examined from wagons and stores. All were found to meet the requirements up to October 1, 1929, when a new cream law went into effect calling for four grades of cream instead of one grade; namely, light cream, 16 per cent butterfat; medium cream, 25 per cent butterfat; heavy cream, 34 per cent butterfat; and extra heavy cream at 38 per cent butterfat content.

Under the new law there were four samples of cream below the legal requirements. The dealer's attention was called to the condition and the same was corrected.

The number of store samples taken also represents the number of store inspections made during the year.

There were 38 notices sent out calling attention to dirty ice chests where milk was stored.

Seven court cases were tried at the Third Middlesex District Court for milk below standard, and one for selling milk without a license. Fines amounting to \$80 were paid to the court.

A close check was kept upon milk used in the schools, City Hospital, and Tuberculosis Hospital.

On January 1, 1929, a new State Regulation went into effect reducing the number of bacteria allowed from 100,000 per c. c. to not over 50,000 per c. c. in a quart of milk after pasteurization, delivered to consumers in the original container; also, raw milk from producers shall not contain more than 750,000 bacteria per c. c. before pasteurization. Cream shall not contain more than 500,000 bacteria per c. c. after pasteurization. The official plate count method of the American Public Health Association to be used, 560 samples of milk upon which bacterial counts were made taken from dealer's wagons in the city, representing 82.35 per cent, were found to be 50,000 or less bacteria per c. c. Of the remaining

17.65 per cent there were 86 samples from 50,000 to 100,000; 18 between 100,000 and 200,000; 10 between 200,000 and 300,000 and 6 over 500,000 bacteria per c. c.

Three samples of Grade A milk were found below the legal standard of 4 per cent butterfat; 20 samples of Grade A milk were found above the legal amount of 25,000 bacteria per c. c. Eighty-seven samples of ice cream were tested for butterfat content of which number four were found below standard. Average bacteria count on ice cream was 147,975. Nineteen samples of butter were tested and found up to standard. During the year 19 samples of milk were found below standard. Most of these were from restaurants.

Licenses were issued during 1929 as follows: dealers' licenses, 57; store licenses, 731; restaurant licenses 220; oleo licenses, 138; pasteurizing licenses, 3; total licenses, 1,149. Fees collected, \$603.

Twenty-eight dealers in Cambridge sell milk pasteurized at their own plants. Eleven dealers buy their milk all pasteurized and bottled ready for distribution. During the year two dealers selling milk in this city sold out to one of the largest dealers.

During the summer this laboratory working in conjunction with other laboratories in surrounding towns together with the State Department of Agriculture made a survey of the raw milk supply coming into our cities from Middlesex County. Sediments, bacterial counts and temperatures were taken. This proved in most instances that the milk was being improperly cooled in transit and the sediment cottons showed dirty milk. Bacterial counts with the official plate method showed counts upwards of one million to two million or over.

As the result of several meetings held between milk inspectors, producers and dealers throughout Middlesex County these conditions were somewhat improved. It still remains for a systematic inspection of every dairy farm in the County to improve still further conditions under which milk is produced.

A good quart of milk may be produced in nearby markets if certain precautions are taken such as proper cooling, milk rooms, care of utensils, good sanitation and healthy cows. Farmers should be encouraged to produce more good clean milk for markets close at home.

During the year several inspections were made of milk plants delivering milk in Cambridge. Also farms producing milk sold in

the city were inspected, especially Grade A dairies and permits issued wherein approved.

Ice cream plants in the city were inspected jointly with the food division before licenses were issued.

Following is the report of the work done in the bacteriological laboratory:

1929	Diphtheria Diagnosis		Diphtheria Release		Sputa for Tuberculosis		Typhoid		Other Exams.	Out of Town
	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative		
January	10	74	0	12	10	49	0	3	29	17
February	9	36	7	5	20	32	0	6	24	9
March	11	56	7	18	16	46	0	12	36	6
April	1	55	2	9	31	37	0	19	32	18
May	3	38	0	2	21	44	0	13	27	7
June	2	42	12	14	14	26	2	16	39	10
July	5	27	7	8	18	34	0	15	29	9
August	9	25	3	10	10	30	3	7	27	8
September	5	17	5	10	11	34	3	7	27	16
October	11	20	6	42	19	36	1	3	37	15
November	8	64	1	24	14	28	0	10	22	14
December	11	61	3	20	10	26	0	3	28	14
Totals	85	515	43	174	194	422	9	119	357	152

INSPECTION OF FOOD, PROVISIONS AND SLAUGHTERING

The handling of food and keeping such for human consumption is a serious problem, more so in restaurants, bakeshops, and small candy manufacturing establishments. Cleanliness seems to be their least consideration. Several have been brought before the Board of Health, two of which, one a bakery and one a candy manufacturing establishment, were ordered closed until the regulation governing food establishments was complied with.

The washing of utensils used for dispensing food and drinks in some of our establishments is another problem that confronts us. We counsel them to use hot water for washing and sterilizing, but very often the gas used for heating the water is turned off and the cold water is used. Thirty such cases were brought into Court and all were fined. The majority of our establishments are in excellent condition.

With the kind permission of the State Division of Fish and Game, Deputy W. Sullivan and the Inspector of Food for the City of Cambridge made a number of inspections throughout the city. Several complaints against stores for having fish unfit for food in their possession with intent to sell were entered in Court. Each paid a fine of \$50.

The following is a detailed report of food stuffs condemned as well as that of inspection of slaughtering:

VEGETABLES CONDEMNED

Potatoes.....	9½ bushels
Sweet potatoes.....	89 pounds
Cucumbers.....	¾ bushel
Onions.....	8½ bushels
Squash.....	6 barrels
Tomatoes.....	11½ bushels
Asparagus.....	38 bunches
Spinach and other greens.....	27 bushels
Cabbage.....	2½ barrels
Cauliflower.....	3 bushels
Celery.....	31 bunches

FRUIT CONDEMNED

Apples.....	2½ barrels
Cantaloupe.....	8½ crates
Pears.....	9 bushels
Grapes..... 27 baskets and	6½ bushels
Oranges.....	4½ boxes
Grapefruit.....	31

Pineapples.....	41	
Watermelons.....	34	
Peaches.....	13½	bushels
Strawberries.....	8½	crates
Sauerkraut.....	½	barrel

MARKET PRODUCTS CONDEMNED

Poultry.....	184½	pounds
Pork.....	103	pounds
Beef.....	515½	pounds
Lamb.....	96	pounds
Sausages.....	141	pounds
Rabbits.....	13	
Veal.....	67	pounds
Haddock and cod.....	291	pounds
Salmon.....	167	pounds
Mackerel.....	296	pounds
Scallops.....	15	gallons
Oysters.....	31	quarts
Shell oysters and clams.....	18	bushels
Crabs.....	6	bushels
Pigs' feet.....	½	barrel
Tripe.....	61	pounds

MISCELLANEOUS PRODUCTS CONDEMNED

Dates exposed to dust and dirt.....	181	pounds
Figs exposed to dust and dirt.....	67	pounds
Nuts (rancid).....	141	pounds
Candy with rancid nuts.....	167	pounds
Olives.....	61	pint bottles
Fish (canned).....	47	cans
Apples (canned).....	31	gallons
Cherries (canned).....	27	quarts
Ice cream cones exposed to flies and dust.....	296	
Flour (two hundred pound bags).....	46	

*INSPECTION OF SLAUGHTERING

Calves (number).....	35,659
Condemned.....	623
Hogs.....	533
Condemned.....	13
Sheep.....	16
Condemned.....	0

* Includes inspections of Dr. Bolger.

HOUSING AND PLUMBING INSPECTOR

During the year I have been working on relocations of water-closets, light and ventilation of interior water-closets. Hallways in unsanitary condition have been remedied in a number of places; five houses vacated in 1928 have been torn down this year.

This year I have been working on lowland and other breeding places for mosquitoes and other insects. I have received a number of complaints of offensive odors, smoke, rat nuisance, and insufficient heat. Conditions have been remedied in a number of places.

The following is a more detailed report of my activities:

Complaints received	132
Complaints received (no cause)	7
Nuisances abated	109
Nuisances uncompleted	16
Original visits	1,362
Subsequent visits	1,974
Plumbing tests made	30
New water-closets installed	27
Houses vacated	3
Basements vacated	3
Water-closets (light and ventilation provided)	30
Overcrowding remedied	7
Unsanitary woodwork enclosing fixtures removed, floors underneath repaired	19
Unsanitary woodwork removed enclosing sinks	7
Miscellaneous condition remedied, including relocations of water-closets, ventilation of bedrooms, improving natural light, etc.	74
Patients removed to hospital	13
Legal orders served	73
Houses disinfected	7
Five complaints of insufficient heat were received and remedied.	
Twelve places were remedied of a rat nuisance.	
A tuberculous patient was transferred from Lakeville Sanatorium to Cambridge City Hospital.	

NUISANCES ABATED, REGULATIONS ENFORCED, LICENSES GRANTED, CONTAGIOUS CASES INVESTIGATED, ETC., 1929

Dwelling houses surveyed completely	1,410
Water-closets — offensive and defective:	
Filthy bowls	74
Leaking bowls	32
Broken bowls	19
Obstructed soil pipes	68
Defective soil pipes	33
Defective tanks	22
Defective traps	39
Closets not supplied with running water	69
Insufficient supply of running water	65
New closets installed	9
New bowls installed	19
Defective supply pipes (from tank to bowl)	25
Sinks — offensive and defective (including wash bowls, bathtubs and set tubs):	
Filthy basins	43
Leaking basins	23
Defective traps	32
Defective drains	41
Obstructed drains	57
Untrapped drains	5
New sinks installed	9
Obstructed and defective house drains	64
Offensive cesspools cleaned and removed	5
Defective ice chest connections	13
Defective barber shop connections	3
Wet and damp cellars remedied	43
Stagnant water on premises removed	21
Stagnant water in streets and gutters removed	14
Dirty yards cleaned	367
Dirty roofs cleaned	14
Dirty buildings cleaned	20
Dirty stairways cleaned	82
Dirty light wells cleaned	7
Dirty cellars cleaned	184
Dirty sheds cleaned	23
Dirty stores cleaned	16
Dirty hencoops cleaned	43
Dirty stables cleaned	13
Uncovered manure pits properly covered	9
Manure pits repaired, and new pits built	5
Manure in yards and lots removed	10
Vacant lots cleaned	20
Defective, or lack of stable connections (gutters, traps and drains)	5
Defective stable floors repaired	6
Filthy garbage receptacles cleaned	132
Filthy garbage bins cleaned	76
New garbage receptacles provided with covers	106
New garbage receptacles — covers provided	110
Dead animals removed	46
Dirty ceilings	21
Noisy roosters	34
Leaking roofs	12
Smoke	20
Rats	14

Bugs.....	22
Fowl removed from dwelling houses (cellars, attics, etc.):	
Number of houses.....	11
Total nuisances abated.....	2,281
Bakeries cleaned and whitened.....	2
Unsanitary dwelling vacated.....	2
Plumbing (peppermint) tests made.....	6
Stables occupied without license.....	1
Keeping hens without license.....	9
Keeping pigeons without license.....	10
Keeping ducks without license.....	1
Keeping pigs without license.....	1
Hearing notices posted (number premises).....	51
Houses disinfected.....	382
Inspections by sanitary inspectors.....	16,257
Subsequent inspections by sanitary inspectors.....	10,630
Complaints received by inspectors through office.....	692
Complaints received by inspectors outside office.....	549
Complaints received and investigated, no cause.....	70
*Complaints received and investigated, nuisance abated.....	1,147
Complaints uncompleted.....	17
Contagious cases investigated and histories obtained:	
(See Contagious Disease Nurses' Report)	
Venereal diseases (lapsed cases, male).....	51
Hearings given:	
On applications to keep horses.....	3
On applications to keep hens.....	25
On applications to keep and sell live fowl.....	9
On applications to keep, kill, and sell live fowl.....	3
On applications to keep pigeons.....	20
On applications to keep pigs.....	1
On applications to manufacture sausages.....	1
On applications for vapor baths.....	1
Permits granted:	
Stables, cows (two applications).....	0
Stables, horses.....	3
Hens.....	24
Pigeons.....	15
Licenses granted:	
Undertakers.....	49
Manicure and massage (practice).....	138
Beauty parlors (conduct).....	85
Barber shops.....	152
Ice cream manufacture.....	16
Rummage sales.....	32
Denatured alcohol dealers.....	106
To fill premises.....	3
Day nursery.....	1
Non-alcoholic beverages.....	8
Vapor bath.....	2
Registrations:	
Collect and cart manure.....	2
Collect and cart grease.....	15
Collect and cart garbage.....	11
Sell ice.....	54
Slaughter houses.....	3

*Numerical difference between complaints investigated (abated) and complaints received is due to unabated nuisances brought forward from previous year and those carried to new year.

Premises approved as suitable:

To board infants.....	22
To maintain lying-in hospitals.....	5
To use temporary privies.....	3
To use cesspools.....	1

Permits issued for burial and removal of dead bodies:

Died in Cambridge.....	1,541
Died outside of Cambridge.....	34
Disinterments.....	28

Patients removed to hospitals:

To Massachusetts Homeopathic Hospital, Brighton.....	157
To Tuberculosis Hospital, Concord Avenue.....	94
To Cambridge City Hospital, Cambridge Street.....	20
To Massachusetts Eye and Ear Infirmary.....	13
To Rutland State Sanatorium.....	2
To Westfield State Sanatorium.....	2
To North Reading State Sanatorium.....	21
To State Infirmary (Tewksbury).....	1
To Lakeville State Sanatorium.....	4

JOHN D. CROWLEY,

Agent.

CITY OF CAMBRIDGE
MASSACHUSETTS

ANNUAL REPORT OF THE
TRUSTEES OF THE
CAMBRIDGE
PUBLIC LIBRARY

For the Year Ending March 31, 1930



PRINTED FOR THE DEPARTMENT
UNDER THE DIRECTION OF THE CITY CLERK.

ANNUAL REPORT OF THE
TRUSTEES OF THE CAMBRIDGE PUBLIC LIBRARY
For the Year Ending March 31, 1930

TRUSTEES

EDWARD P. COLLIER.....Term expires January, 1930
ROBERT W. YOUNG.....Term expires January, 1930
THOMAS F. O'MALLEY.....Term expires January, 1931
EDWARD H. REDSTONE.....Term expires January, 1931
RUSSELL A. WOOD (of the School Committee)....Term expires January, 1931
RICHARD J. COSTELLO.....Term expires January, 1932
*JULIA T. BOYLE.....Term expires January, 1932

* Mrs. Boyle succeeded Mrs. Nellie F. Crowley, November, 1929.

<i>Chairman</i>	<i>Secretary</i>	<i>Treasurer</i>
Edward H. Redstone	Julia T. Boyle	Robert W. Young

LIBRARIAN

THOMAS J. SULLIVAN

CENTRAL LIBRARY

Broadway and Trowbridge Street

The central library is open daily, except holidays, from 9 a.m. to 9 p.m.; the children's room, from 9 a.m. to 6 p.m. On Sundays the central library is open to readers only from 2 to 9 p.m.; the children's room from 2 to 6 p.m. From June 15 to September 15 the central library and children's room are closed on Sundays.

BRANCH LIBRARIES

Open Week Days Only

EAST CAMBRIDGE BRANCH, Fourth Street

Open from 9 a.m. to 9 p.m.

NORTH CAMBRIDGE BRANCH, 2101 Massachusetts Avenue

Open from 9 a.m. to 9 p.m.

CENTRAL SQUARE BRANCH, 765 Massachusetts Avenue

Open from 9 a.m. to 9 p.m.

CAMBRIDGE FIELD BRANCH, the Shelter, Cambridge Field

Open from 9 a.m. to 9 p.m.

MOUNT AUBURN BRANCH, Haggerty Schoolhouse, Cushing Street

Open Monday to Friday 2 to 9 p.m.; Saturday 1 to 9 p.m.

OBSERVATORY HILL BRANCH, 146 Huron Avenue

Open from 1 p.m. to 9 p.m.

STAFF IN ORDER OF APPOINTMENT

*Miss Etta Lois Russell resigned Jan. 1, 1930

Harriet D. Lochman, 1895, Librarian, Central Square Branch

Katherine A. O'Donnell, 1903, Head, Catalogue Department

M. Louise Brennan, 1906, Assistant

Edith E. Sherman, 1906, Assistant, Catalogue Department

Caira D. Hawkes, 1907, Head, Reference Department

Dorothea M. Gray, 1910, Librarian, North Cambridge Branch

Mary E. Cotter, 1911, Assistant

Catherine A. McAleer, 1911, Librarian, Field and East Cambridge Branches

Elizabeth H. Walsh, 1911, Head, Loan Department

Katherine A. McNally, 1914, Head, Juvenile Department

Mary E. Markham, 1914, Assistant, East Cambridge Branch

Margaret L. Toohy, 1914, Librarian, Mount Auburn Branch

Lillian C. Scott, 1917, Assistant, Cambridge Field Branch

Alice C. Welch, 1918, Assistant

Alice Connelly, 1921, Assistant, Central Square Branch

Helena T. Curtis, 1921, Assistant

Marion M. McCall, 1921, Assistant, North Cambridge Branch

Eleanor R. McLaughlin, 1921, Librarian's Secretary

Elizabeth Galvin, 1923, Librarian, Observatory Hill Branch

Emma C. Harrington, 1923, Assistant, Central Square Branch

Catherine M. O'Neill, 1923, Assistant, Catalogue Department

Helen M. Cahill, 1924, Assistant, Cambridge Field Branch

Jennie C. Day, 1924, Assistant, Reference Department

Mary M. Doyle, 1926, Assistant, Loan Department

Gertrude A. Scott, 1926, Assistant, Observatory Hill Branch

Julia A. Starkey, 1927, Assistant, East Cambridge Branch

Evelyn Frost, 1928, Assistant, Catalogue Department

Agatha L. Killeen, 1928, Assistant, Catalogue Department

Alice L. O'Brien, 1929, Assistant, North Cambridge Branch

Dorothy Ryan, 1928, Assistant, Loan Department

Florence M. Lyons, 1929, Assistant, Catalogue Department

Isabelle McGowan, 1929, Assistant, School Library

Anna Sexton, Assistant, Children's Room

Substitutes

Teresa Connor
Mary Finucane

Edward O'Brien
Mary Hill

Janitors

Cornelius F. Dinan, Central Library
Thomas Doyle, North Cambridge
James Geary, East Cambridge
Walter Hackett, Cambridge Field

Mrs. Annie Z. Miller, Central Library
Timothy Ryan, Mount Auburn
John B. Slattery, Central Library

Pages and Part Time Workers

Gerard Bowman, Central Library
Edward Conley, Central Library
Edmund Corkery, Central Library
Joseph Dwyer, Central Library
Francis Desmond, East Cambridge
Gertrude Finnegan, Mount Auburn
Francis Flaherty, Central Square
Francis Good, Central Library
William Martin, Central Library

Manuel Mello, Central Square
Charles Mongan, Central Library
Edward O'Callahan, Central Library
Joseph Reagan, Central Library
John J. Ryan, Central Library
James Sullivan, North Cambridge
Edward J. Sweeney, Cambridge Field
Hubert Walsh, Observatory Hill

ANNUAL REPORT OF THE TRUSTEES OF THE CAMBRIDGE PUBLIC LIBRARY

To the Honorable City Council:

The past year has been one of achievement, notwithstanding the handicap under which the Library administration has labored. The resignation of Mr. Etzkorn as librarian, in the middle of the year, left the library temporarily without an executive, but the breach was admirably filled by Chairman Hurley, ably assisted by Mr. O'Malley, who gave liberally of their time and energies, with splendid results. At a meeting of the Board held January 20, Mr. Thomas J. Sullivan, Acting Librarian of Holy Cross College, was elected Librarian.

An analysis of the Librarian's report shows a net gain in circulation, which, while not so great as in past years, is eminently satisfactory under the circumstances.

The trustees desire to call to the attention of the City Council the unsatisfactory housing conditions which exist throughout the city. The Central Library building, erected to serve a much smaller constituency, and the branch stations are entirely inadequate to meet existing demands.

A somewhat similar condition in Boston is being overcome by the Mayor's program which calls for the erection of two buildings a year for branch libraries until all sections of the City are properly served. In our own city the more urgent need appears to be for bigger and better branch libraries.

While the Central Library attained during the past year a circulation of 290,149 the six branches with all their limitations had a circulation of 114,873 in excess of that number. This despite the fact that their combined supply of new books for the year was only 150 more than that of the Central Library, and the total number of books on their shelves but one-third.

In all the years that the Cambridge Public Library and its branches have so successfully served an appreciative public, not a dollar has been spent by the City for construction purposes. Is it too much to ask that the City Council consider a building program which would result in the erection of at least one building a year for branch library purposes until the present antiquated and entirely inadequate stations are replaced by satisfactory up-to-date quarters.

It seems that the past year was one of losses for the Board as well as the Staff. In October 1929, Mrs. Nellie F. Crowley resigned, as she had changed her place of residence. Mrs. Crowley was appointed to the Board in March 1916, and she was appointed to the Book Committee at that time. She was an active, interested member of this committee. During her thirteen years on the Board, Mrs. Crowley served as its secretary.

In January 1930, Mr. Charles F. Hurley, who served the Library Board as the representative of the School Board, was replaced by Mr. Russell A. Wood. Mr. Hurley served this Board as Chairman and as Acting Librarian during his term of office.

At the annual meeting of the Board of Trustees, January 20, 1930, Mr. Edward H. Redstone was elected Chairman.

Mrs. Julia Boyle was appointed to the Board in November to fill the vacancy which occurred at Mrs. Crowley's resignation.

A devoted and efficient member of the library staff for fifty-two years, and assistant librarian during the past twenty years, Miss Etta Lois Russell's resignation was accepted with regret, January 1, and a resolution expressing sincere appreciation of her long and faithful service was passed by the Board of Trustees, and a copy sent to Miss Russell.

The librarian's report, appended, summarizes the accomplishments of the past year, attained only by the hearty coöperation of a loyal staff of assistants.

Respectfully submitted,

ROBERT W. YOUNG,
RICHARD J. COSTELLO,
RUSSELL A. WOOD,
THOMAS F. O'MALLEY,
EDWARD P. COLLIER,
EDWARD H. REDSTONE,
JULIA T. BOYLE.

LIBRARIAN'S REPORT

Seventy-Second Year, April 1, 1929 to March 31, 1930

I take great pleasure in presenting to the Board of Trustees of the Cambridge Public Library the seventy-second annual report of the Library.

It is my first duty to report changes which have taken place on the Board of Trustees. In the departure of Mrs. Nellie F. Crowley and Mr. Charles F. Hurley the board sustained a keen loss and the staff join the Board in paying respects and gratitude for the interest which these two former members of the Board always have shown in the Library and its routine. This report is respectfully dedicated to Mr. Hurley who was Chairman of the Board and also Acting Librarian, *ex aequo* with Mr. Thomas F. O'Malley, for the seven months preceding the appointment of a Librarian. In this position of Acting Librarian Mr. Hurley and Mr. O'Malley accomplished much for the good of the Library; namely the lighting, repairing and painting of the local history room, the trustees' room, the librarian's office, the reorganization of the storage room in the basement, installation of new boilers and improved heating facilities, staff rest room painted and new equipment added, running hot water installed and new lavatories added. Then the School Library was instituted and organized by Mr. Hurley and Mr. O'Malley. This department shall have a report of its own later in this report. While doing all this extraneous work these men did not forget the primary aims of the library but continuously and untiringly worked to improve the service to the public. And all this was done gratuitously by men who gave willingly of themselves for a public good. They really accomplished a gigantic task in a short time and it is my earnest wish that I may be able to continue the work so that Cambridge will have one of the foremost libraries of the East.

The Library suffered yet another loss last year when Mr. Leo R. Etzkorn was appointed Librarian of the Fall River Public Library. In Mr. Etzkorn Cambridge was fortunate in having a man who was keenly interested in good library practice, who was loyal and faithful to the best interests of the library at all times. The staff have regretted his departure as their chief and take this occasion to express godspeed in his new field.

My pen hesitates to write as I come to the next loss which the library sustained during the past year. It seems so difficult to express the true feeling which the citizens of Cambridge, the Board of Trustees and the staff must have held Miss Etta Lois Russell who was fifty-two years in the Public Library service. For the past twenty years she had been assistant librarian and gave of herself unstintingly and willingly that the library might render a maximum service to the citizens of Cambridge. When I first met Miss Russell, I was struck by the serene contentment and spiritual satisfaction that beamed from her face, the great reward to the unselfish soul who has dedicated a lifetime to public service. During this time she saw the Cambridge Library grow from a room of a few thousand volumes to one of over one hundred and fifty thousand. She passed through those tedious, trying years of pioneering. She built and planned carefully that the future might be served while ever looking out for the present. To Miss Russell the city of Cambridge owes an eternal debt of thanks and I hope that sometime they will see fit to acknowledge this in a more material way.

At the January 20 meeting the Board took action on the many applications which had been presented to them for the position of Librarian. As a result of this meeting Thomas J. Sullivan, the Acting Librarian of Holy Cross College was appointed.

BORROWERS OF BOOKS

The value of a library to a community may well be judged by the number of inhabitants who hold library cards. This is not a true test of use, however, for many may consult reference material, newspapers or magazines without ever drawing out books for home use. The population of Cambridge is now estimated at 129,000. The Library has 47,608 registered borrowers, which is a little over 35 per cent of the population. Borrowers are registered for a period of four years, after which time they are automatically dropped from our records unless they re-register. In this manner library cards of borrowers no longer active are weeded from our files.

USE OF LIBRARY

Man since prehistoric days sought for some permanent record of events, ideas, epics and epochs. The Babylonians found it on the sun baked clay bricks on which in its softened condition they impressed their hieroglyphics and thus saved for posterity the best of their literary life. The Egyptian found the papyrus roll a convenient medium through the use of a stylus and their inks and dyes. Down through the ages the transfer from the minds of men to some form of permanent record has developed until today we have our printed book. During all this development we find men who cherished the one idea of a place or building dedicated to the purpose of keeping these records and of having them available for the people. Today we have in the United States a system of libraries which are rapidly becoming the best in the world. They are doing much to disseminate knowledge and yearly their circulation is increasing, their reference sections serving an eager public. Here in Cambridge we have in the Central Library and its six branches, not a highly specialized collection of books, but we have a fine general collection and a staff which stands at all times willing to serve and to coöperate with any citizen or group of citizens in the use of books or search for knowledge.

During the past year 635,161 books were loaned for home use. This is an increase of 24,618 over last year's loans. In the following table is shown, for the several libraries, the number of volumes added by purchase during the year, total number of volumes and circulation for the year.

	Volumes added 1929-1930	Total No. Volumes	Circulation 1929-1930
Central Library	4,336	113,989	290,149
North	911	8,165	101,846
East	725	8,420	51,909
Central Square	1,056	7,768	89,986
Cambridge Field	620	5,017	58,057
Mount Auburn	416	4,093	47,217
Observatory Hill	758	3,739	56,007

GROWTH

The tables of statistics appended to this report show that the Cambridge Library is steadily enlarging its usefulness to the citizens of Cambridge. During the last four years the yearly circulation of books for home use has increased by nearly 225,000 or 65 per cent, and this with very little increase in our appropria-

tions. Surely there is no stronger argument for an intelligent and sympathetic study of the financial needs of the library department.

During the past year, 8,822 books have been added to the various libraries. Four hundred and twelve of this total were gifts, for which we again acknowledge our gratitude. It is our hope that our friends will continue to remember the library when they have books for disposal. One hundred and ten volumes out of the total were purchased from the income of the various funds of the Library. Our total book stock is now 152,304, distributed as the above table shows.

The Library experiences as does everyone the increase cost of any commodity. Despite a continued vigilance to spend the money carefully and to try and increase its usefulness we find the cost per volume steadily mounting. This year the library purchased 8,822 volumes at an average cost of \$1.68. Thus one may conclude that if the library were to add all the books it should have that a budget of \$15,500 would not go very far towards supplying the book needs of Cambridge.

The following table shows, for the past five years, the growth of the library in number of volumes, number of borrowers, and circulation.

Year	No. Volumes	Borrowers	Circulation
1925-26	130,055	36,230	404,125
1926-27	135,810	36,380	446,436
1927-28	143,555	44,646	548,412
1928-29	148,596	44,301	610,543
1929-30	151,191	47,608	635,161

THE LOAN DEPARTMENT

This is the contact point, the heart of the library or better the pulse of the heart which tells one whether the library is in a healthy condition or is fast declining to the invalid stage. It is to this desk that most all visitors to the library find their way. They may want cards, information, reference material, special privileges or just a list of new books; but regardless what it is they desire they must be served by a sympathetic and patient attendant and so it is that we try at all times to extend to all who approach this desk a kind reception. This department continues to show a steady growth and also an increased number of borrowers.

REFERENCE ROOM

The American Public Library is one of the most democratic institutions in the world today. In no department is this better shown than in the Reference Room. Here it is that the library provides information on all sides of all questions and the individual is left to draw his own conclusions. No race, creed or political force is brought to bear on his decisions. The source material is supplied and then he is left in this great laboratory of books to read and study carefully his solution and bring it to a logical conclusion. During the past year 12,193 books have been drawn from the stack for use in this room and about 20,000 questions have been answered from this desk. As to the use of the books in the room there is no way possible to keep an accurate record.

The work in the Reference Department has not differed materially from that of previous years. All magazines received are recorded here, and questions answered as far as possible. We are especially pleased when we can be of service to business firms in the city, as has been the case in some instances.

For some time, we have needed more room, and now new shelves have been put in, near the desk, so that we may have at hand, volumes constantly used, or of especial value, or reserved for patrons. More working space has made the work much easier.

The English divisions of the first year class from the English High and Latin School have come as usual for instruction in the use of the library. Owing to the large size of the class, about nine hundred, not as much time can be given to this as is desirable, and there is time for only two talks, one on the use of the card catalogue, and one about some of the most commonly used reference books.

There have been one hundred and fifteen new books added to this department and thirty-seven withdrawn to the general stack, making a total gain of seventy-eight. There are now three thousand and six books in the Reference collection.

Among the new books added are volumes 2, 3, and 4 of the Dictionary of American Biography, which the library is acquiring as issued, the new edition of the Encyclopædia Britannica, seven new numbers of the Reference Shelf, of great value to debaters, ten new numbers of the Reading with a Purpose series, issued by the American Library Association, giving reading lists on special subjects, the supplement to Index to Short Stories by Firkins,

the supplement to Granger's Index to Poetry and Recitations, Register of . . . Officers of the United States Navy and Marine Corps, 1928, Official Army Register, 1929, and Furniture Treasury, the beautiful new two volume work by Nutting.

Some very interesting art books have also been added to the collection, including nine books on modern French art, illustrating modernistic furniture and interiors, and books on Egyptian, Japanese, Czechoslovakian, Russian, and Oriental art.

CATALOGUE ROOM

Here we have another important department of the library for without classification and cataloging the library would become just a chaotic store house of books. In this department the staff must be patient and willing, for they experience many tedious and routine details in their work. During the past year the records show that in this department the work proceeded with the usual dispatch and success.

JUVENILE DEPARTMENT

Fewer new books were added for this department than last year but much needed replacements were bought and this proved to stimulate the circulation for there was an increase of 2,278 volumes this year over the previous year's circulation. This is due in no small way to the diligence and interest displayed in the work by the attendants in this room. Greater effort will be made this year to arouse a love of books and literature in the minds of the citizens of tomorrow.

BRANCHES AND SCHOOLS

The six branch libraries now in use cover this city in a fairly satisfactory manner. There is room for a great improvement though in this respect. The branches are for the most part poorly situated as to buildings and are overcrowded. There is need of branch library buildings and it is my earnest hope that this condition will soon be remedied. Each building would be a fitting memorial to a public spirited citizen donor such as the Main Library stands today or it might commemorate some of those loyal and self sacrificing sons of Cambridge who possessed that great love "to lay down his life for his friends."

EAST CAMBRIDGE AND CAMBRIDGE FIELD BRANCHES

Despite a slight loss in circulation in the East Cambridge and Cambridge Field branches due to a condition which is fast being remedied, the work for the past year was very satisfactory.

At both branches the Story Hour for the children on Saturday afternoon was resumed early in September and has proved a success in both places. The attendance at each, averaging about forty children on each Saturday, indicates that it was much needed, and is appreciated by the children. We hope that some day the facilities will be much better.

Thanks to the generosity of Mrs. Florence Kitchener, there were about five hundred bags of candy distributed to the children at the East Cambridge Branch Christmas party.

At the Cambridge Field Branch we also had a Christmas party and gave out over two hundred boxes of candy to the children. Our thanks are due to the matron, the superintendent and to several of the city employees who generously helped us by their contributions. The Christmas parties have now become an eagerly looked for event by the children.

The reference work at both Branches is constantly increasing and we are gratified at receiving a new up-to-date dictionary and a set of the latest edition of the World Book.

The foreign work at East Cambridge is increasing and interesting and opens a big field for development. Work in this field is being started and many books in foreign languages are being added. This, it is hoped, will stimulate a new interest in the library and literature.

The Mount Auburn Branch, where a maximum service is being rendered to the citizens of this section of the City by a poorly located and equipped branch, is in dire need of different quarters. The room in which it is situated is used for kindergarten classes, special classes, sewing classes, dressmaking and a lunch room. The structure of the room does not permit of sufficient shelving being installed for the books, which causes a chaotic condition to exist in the storage in the cupboards about the desk. All of the above conditions may be altered in the fall as a new Parochial School will aid in relieving the congested and crowded condition in the Haggerty School; but this only delays the cure.

The solution to the problem is a branch building to serve the library needs of this section.

At North the branch has continued the good work of previous years and is now preparing to move to a new location in the Abraham Lincoln School this fall. Though it means the moving away from the Avenue, it will mean a quieter reading room, better working conditions and a ground floor location.

Another room has been added to the Branch at Central Square. This will give room for a stack which will hold from 5,000 to 7,000 volumes and will remove from the main room the big stack in the center of the floor. In so doing it will add to the floor space for tables and chairs and furnish greater accommodations for the patrons. This is a very important branch of the library and the Trustees have proven their faith in this branch by obtaining the new room and approving of the reorganization of the plans. Nearly 90,000 books were circulated here last year and that will show that the citizens of Cambridge appreciate the convenience of the location and the books which have been supplied them here.

In July 1930 the Observatory Hill Branch celebrates its third birthday and in that time it has circulated 146,577 volumes or an average of 48,859 or the books have had forty-two circulations apiece in that time. This is another branch whose usefulness could be increased by its having a building of its own.

So in summing up the report of the branches it is evident that they are all serving well the purpose for which they were opened and much of this is due to the personnel who administrate them; but there is vast room for improvement of conditions and proper housing would be the first important step in this direction.

In conclusion, I wish to express my appreciation of the work accomplished by my predecessor, Mr. Etzkorn, and also of the work done by Mr. Hurley and Mr. O'Malley during their tenure of office.

It also seems fitting to express here my appreciation to the Board of Trustees for the trust reposed in me in their selection of myself as Librarian of the Cambridge Public Library. I hope I may have the pleasure of serving citizens of Cambridge many years and may always have the same whole hearted coöperation from the Board as they have already given me.

At the same time I take this occasion to express my confidence in the staff and appreciation of their welcome of myself to their midst. As the success or failure of any project rests upon those who meet the public the record for the past year speaks well for the entire staff of the Cambridge Public Library.

Respectfully submitted,

THOMAS J. SULLIVAN,
Librarian.

REPORT OF SCHOOL LIBRARY

To the Trustees of the Cambridge Public Library:

During the past year a much needed addition to our school system came into being in the formation of the School Library. As this library has been in operation less than a year I think it would be well if the first annual report of the School Library dealt with the organization rather than the results of this valuable addition. A year hence I am sure the School Librarian will be able to review a year of success and achievement.

The Trustees of the Cambridge Public Library granted to the School Committee the use of the Music Room at the Central Library for a school reference and library room. The School Committee then voted to allow the Superintendent to spend one thousand dollars (\$1,000) for books for this Library.

As the supply of money was limited, the number of books had to be kept down to a minimum.

The Superintendent conferred with the various heads of departments at Rindge Technical School and Cambridge High and Latin and with their aid compiled a list of desirable books. The cost of the books on this list exceeded the appropriation, hence the list had to be diminished and only the essential books kept on the list.

Mr. Fitzgerald called me to his office and asked me to construct and organize this School Library. I felt honored with this appointment and told Mr. Fitzgerald that I would be glad to do this organizing to the best of my ability.

The first question I sought to answer was, "How many of these books could I receive from the various publishers as gifts or donations?"

After looking up the publishers of the books on the list, I sent a letter, with the Superintendent's permission, to these publishers with the list of books. The replies received were very gratifying and I have on record in the school section of the Public Library files, the replies to my letters and these show that the School Library received donations to the amount of approximately twenty-five per cent of the total list. This enabled the School Department to purchase additional books which they would have been unable to do had not these publishers been so generous and helpful.

A few of the larger companies, to whom the School Department had been generous in its orders for books, refused to give gratuitously any of the books which we requested. Mr. Hurley, as a member of the School Committee and Acting Librarian, interviewed representatives of these firms and was successful in arousing their interest to a point where they agreed to give a certain number of the books we had applied for as gifts. This part of the work was slow and painstaking, but the result was so favorable that the Superintendent felt that we were amply repaid for our efforts in this direction.

Submitted with this report is an itemized list of books obtained gratis and the firms from whom these books were obtained.

I next interviewed a representative of the Library Book House of Springfield, and in two conferences obtained considerable information regarding School Libraries and also a valuable library catalogue list from which the School Library in the future may acquire an admirable selection of books that are needed in a School Library. This catalogue, which is on file at the Public Library, I also received gratis, although there is usually a charge on this catalogue for libraries, as it is quite an essential book.

One of the greatest co-workers and enthusiasts I encountered during this School Library construction was Mr. Thomas O'Malley, a member of the Board of Trustees of the Public Library. Through his valuable assistance and untiring efforts, after days of delving and exploring into the dark recesses of the basement of the Public Library, we resurrected about five hundred (500) volumes of very valuable books. In other words, we practically doubled the number of volumes in the School Library. I am submitting a list of the books thus obtained, with this report.

The School Department should be everlastingly grateful to Mr. O'Malley for his valuable assistance, because the work was not of the cleanest and pleasantest sort. The School Library was given an unmistakable impetus because of the aforementioned delving and searching.

We now had the books we received as gifts from both the publishers and the Public Library. The next step was to order the books that we found it impossible to obtain gratis. With the assistance of Mr. Church this part of the work went along as speedily as possible. As is always the case, among the books on

the list we found some of which were out of print, publishers had gone out of business, etc. All these small hindrances, with the accompanying delay, made the receipt of the complete list of books rather slow. But this must be expected and Mr. Church, as purchasing agent, I am sure will agree with me.

The routine work before cataloguing was the next step on the program. First the books were checked off as the shipments arrived from the publishers and from other sources already mentioned. After the books had thus been accounted for, the stamping with the School Library stamp, which I had ordered from Mr. Liston, had to be completed. In this work I followed out the regular library procedure by stamping on the first and last blank pages and on the last printed page. Each volume that is in the School Library had to be dealt with in the above manner. The next step in the precataloguing work was the making up of information slips. On these slips the name of the book, the author, the price (if known), whether the book was purchased or was given as a gift and from whom the book was obtained, is all written. Each book must contain one of these slips before the real process of cataloguing can take place. Here again I followed along on the set procedure of the Public Library.

As one can readily observe, this information slip is a valuable record and in the event of a question of price, gifts, from whom the book was obtained or in the event of recorder, all necessary information is contained on one slip.

From these slips the regular library file cards are made.

Miss McGowan, an employee of the Public Library, was assigned to assist me in the typing and cataloguing connected with the School Library. Up to this point any typing that I found necessary was done by a person not connected with either the School Department or the Library, gratuitously.

With Miss McGowan's arrival, the work of cataloguing went on rapidly. Using a simplified form of the "Dewey Decimal System," the numbering of the books was started. This consisted of assigning a classification and a number to each book or set of books. This section of the work is very slow and exacting. The numbers were then transferred to the information slip and later to the regular library index file.

The actual shelving of the books was held up for a time because of the delay in the shipment of our library furniture equip-

ment. When this furniture arrived, the School Library became an optical reality.

The work of classifying the books so as to designate the teachers' volumes from the pupils' had to be reorganized because some discrepancies were found. In addition to teachers' and pupils' classifications, other minor sub-divisions were gone over and improved upon.

While the process of cataloguing was going on, I was called before the Trustees of the Library to give a report on the work completed and the work contemplated in the School Library. I was questioned on some of the points of organization by members of the Board and these I explained in detail. My report was accepted and is in the Public Library files. The members of the Board were highly pleased with the progress of the program of the School Library.

One of the ideas behind the formation of a School Library was to keep the pupils, as far as possible, out of the main reading room. Therefore, suitable tables and chairs had to be obtained. Mr. Roach assisted me in obtaining the chairs and the janitor at the Library supplied temporary tables. Later on, the furniture designing class at Rindge Technical School is to design tables for the School Library Room. The Superintendent gave me permission to consult Mr. John W. Wood on this point and the Principal of Rindge heartily agreed to coöperate in this novel idea.

The School Library is to be kept entirely distinct from the Public Library; all files and cross references must be entirely separate from the Public Library files. Through this method, the rush on the main desk during and shortly after school hours will be diminished. Of course, the School Library will not have all the books necessary to fill the needs of all pupils and teachers, but nevertheless, the School Library Room will segregate to some extent the Public Library patrons.

A list of each book that is contained in the School Library had to be compiled, in fact this list has just been completed and is ready to be mimeographed. Mr. Fitzgerald has given me permission to take this section of the work to Miss Slade of Cambridge High and Latin for completion.

This list had to be prepared carefully because certain books that are on the lists are valuable, in fact too valuable for pupils to use alone, hence such books had to be starred with the notation

"can be used only under supervision of teacher." A separate list was necessary for pupils and teachers. I prepared all these lists, as in previous cases, in longhand, so that it was possible for Miss McGowan to work on such lists before I arrived. A list of the teachers' books is to be sent to each teacher and a list of the pupils' books is to be posted in each home room. In addition, each teacher will receive a list of the pupils' books.

We are now formulating plans to note how many times each book is used, what books are asked for, which the Library does not possess, how many times each book is asked for, and methods of increasing the total volumes in the Library.

In addition to my work at the Library proper, the organization of the Library warranted frequent consultations with Mr. Church. Books he had ordered did not arrive, books that did arrive had to be checked against the bills he had received, magazines which are not included in the book list had to be ordered and in whole a general check-up had to be kept between the School Office and the School Library. This I did at every opportunity, hence the Superintendent and Mr. Church were kept posted on the progress of the work.

In conclusion, I wish to thank Mr. Fitzgerald for his appointing me to organize this Library, Mr. Church for his valuable assistance and kindly advice in the ordering of books and supplies, Mr. Hurley for assisting me in meeting the representatives of the various publishers, Mr. O'Malley for his untiring efforts in the delving and exploring (which I have previously mentioned, the result of which found the School Library about five hundred (500) volumes richer), the entire Library force with whom I came in contact for their advice and assistance. Without the above mentioned help, advice and assistance, I could not have succeeded in obtaining the desired results.

Respectfully submitted,

WILLIAM H. MAHONEY, JR.

LIBRARY STATISTICS

April 1, 1929 to March 31, 1930

Number of Card Holders		1928-29	1929-30
Borrowers registered during year (Central Library)		3,555	4,546
Total number of borrowers (Central Library)		15,609	16,106
Branch Libraries			
Borrowers registered during year (North Cambridge)		836	910
Total number of borrowers (North Cambridge)		4,921	3,963
Borrowers registered during year (Central Square)		1,950	1,278
Total number of borrowers (Central Square)		7,976	7,936
Borrowers registered during year (East Cambridge)		320	275
Total number of borrowers (East Cambridge)		5,453	5,728
Borrowers registered during year (Cambridge Field)		516	395
Total number of borrowers (Cambridge Field)		6,302	6,697
Borrowers registered during year (Mount Auburn)		225	258
Total number of borrowers (Mount Auburn)		1,935	2,193
Borrowers registered during year (Observatory Hill)		600	612
Total number of borrowers (Observatory Hill)		2,105	2,717
At Central Library and Branches			
Total number of borrowers (those who have registered for new cards within four years)		44,301	45,340
Accessions			
Central Library			
Added by purchase (new books)		3,041	2,907
Added by purchase (replacements)		709	791
Added by purchase (from funds)		191	110
Added by gift		267	376
Binding		153	152
Lost books found		12	5
		<hr/> 4,373	<hr/> 4,341
Branch Libraries			
Added by purchase (new books)		4,155	3,194
Added by purchase (replacements)		1,741	1,194
Added by gift		33	36
Binding		0	0
Added by transfer from Central Library		73	44
Lost books found		1	0
		<hr/> 6,003	<hr/> 4,468
Total accessions		10,376	8,809
Deductions			
Central Library			
Discarded		2,145	2,201
Missing		173	53
Transfer to Branches		73	44
		<hr/> 2,391	<hr/> 2,298

Branch Libraries

Discarded.....	2,818	4,059
Missing.....	126	430
	<hr/> 2,944	<hr/> 4,489
Total deductions.....	5,335	6,787
Net gain.....	5,041	2,022
Total volumes in Central and Branches.....	148,596	150,618

Distributed as Follows:

Central Library.....	111,409	113,452
North Cambridge.....	8,569	8,155
Central Square.....	8,079	7,760
East Cambridge.....	8,421	8,419
Cambridge Field.....	5,000	5,016
Mount Auburn.....	3,999	4,093
Observatory Hill.....	3,119	3,723
	<hr/> 148,596	<hr/> 150,618

CIRCULATION BY CLASSES, 1929-1930

Adult

	Central Library	North Cambridge Branch	Central Square Branch	East Cambridge Branch	Cambridge Field Branch	Mount Auburn Branch	Observatory Hill Branch
General Works.....	536	79	33	11	44	30	26
Philosophy.....	2,749	255	271	50	15	137	141
Religion.....	1,904	1,560	132	101	16	298	95
Sociology.....	5,036	572	455	386	145	925	251
Philology.....	1,031	137	76	127	24	999	58
Science.....	2,524	409	217	93	44	218	117
Useful Arts.....	3,881	625	599	234	178	888	231
Fine Arts.....	4,232	669	247	295	155	325	182
Music.....	1,380	0	0	0	0	0	0
Literature.....	9,828	2,165	1,642	2,312	503	1,241	947
History.....	11,013	1,741	1,682	563	526	980	778
Biography.....	8,009	1,032	1,103	245	156	811	518
Magazines.....	1,660	5,975	1,679	563	262	2,904	1,022
Fiction.....	96,665	55,772	47,049	20,568	22,004	15,111	30,635
Total.....	150,448	70,991	55,185	25,548	24,072	24,867	35,001

Juvenile

	Central Library	North Cambridge Branch	Central Square Branch	East Cambridge Branch	Cambridge Field Branch	Mount Auburn Branch	Observatory Hill Branch
General Works.....	157	15	0	1	1	0	55
Philosophy.....	12	5	7	6	0	100	11
Religion.....	348	95	353	259	135	367	85
Sociology.....	3,195	2,821	2,067	1,408	1,991	2,896	2,041
Philology.....	13	0	3	0	0	0	4
Science.....	689	213	461	450	545	432	217
Useful Arts.....	789	285	495	364	450	706	243
Fine Arts.....	904	304	539	223	291	497	217
Music.....	0	0	0	0	0	0	0
Literature.....	3,033	693	810	711	1,130	1,438	560
History.....	891	1,521	2,854	2,605	3,159	1,182	1,010
Biography.....	623	281	583	276	382	779	307
Magazines.....	1,410	316	167	81	33	1,240	118
Fiction.....	22,627	24,306	26,462	19,977	25,868	12,713	16,138
Total.....	34,691	30,855	34,801	26,361	33,985	22,350	21,006

Total Circulation				
	1928-29	1929-30	Loss	Gain
Central Library	174,137	185,139		11,002
North Cambridge	100,234	101,846		1,612
Central Square	88,429	89,986		1,557
East Cambridge	58,913	51,909	7,004	
Cambridge Field	62,404	58,057	4,347	
Mount Auburn	36,912	47,217		10,305
Observatory Hill	47,513	56,007		8,494
Telephone Exchange	601	0	601	
Schools	41,400	45,000		3,600
	610,543	635,161	11,952	36,570
Net Gain				24,618

Books to Outside Agencies

	1928-29	1929-30
Grade schools	2,560	3,727
Branch libraries	5,582	6,455

LIBRARY STATISTICS ACCORDING TO FORM ADOPTED
BY AMERICAN LIBRARY ASSOCIATION

Annual report for year ending March 31, 1930. .
 Name of library: Cambridge Public Library, Cambridge, Mass.
 Name of librarian: Thomas J. Sullivan
 Date of founding: 1858.
 Population served (latest statistics): 124,000.
 Assessed valuation of city or town: \$188,456,300.
 Rate of tax levy: \$32.70 per thousand.
 Terms of use: Free for lending, free for reference, free to students.

Total number of agencies:

Consisting of — Central Library
 Branches, 6
 Stations, 2
 Other agencies
 24 schools

Number of days open during year (Central Library)	341
Hours open each week for lending (Central Library)	72
Hours open each week for reading (Central Library)	79

INCREASE

Number of volumes at beginning of year	148,596
Number of volumes added during year by purchase	8,397
Number of volumes added during year by gift or exchange	412
Number of volumes withdrawn during year	6,787
Total number at end of year	150,618
Number of volumes in Reference Department (included in total)	3,006
Number of volumes added during year by binding material	152
Number of volumes of fiction lent for home use	435,895
Total number of volumes lent for home use	635,161

REGISTRATION

Number of borrowers registered during year	8,274
Total number of registered borrowers	45,340
Number of newspapers and periodicals currently received:	
	Titles Copies
Newspapers	18 59
Periodicals	279 313
Number of staff, library service	34
Number of staff, janitor service	3

ANNUAL TREASURER'S REPORT FOR THE YEAR ENDING MARCH 31, 1930

Citizens Subscription Fund

Balance March 31, 1929.....		Expended to March 31, 1930.	\$382 43
Bonds.....	\$5,000 00	Balance in bonds.....	5,000 00
Savings deposit.....	500 00	Balance in savings deposit...	500 00
Bank.....	219 28	Balance in bank.....	109 86
Receipts from income.....	235 79		
Receipts from checking acct.	37 22		
	<hr/>		<hr/>
	\$5,992 29		\$5,992 29

Cummings Fund

Balance March 31, 1929.....		Expended to March 31, 1930.	\$37 80
Bonds.....	\$2,000 00	Balance in bonds.....	2,000 00
Bank.....	48 11	Balance in bank.....	95 31
Receipts from income.....	85 00		
	<hr/>		<hr/>
	\$2,133 11		\$2,133 11

Fay Fund

Balance March 31, 1929		Expended to March 31, 1930.	\$33 90
Savings deposit.....	\$1,000 00	Balance in bonds.....	1,000 00
Bank.....	37 50	Balance in bank.....	57 87
Receipts from income.....	54 27		
	<hr/>		<hr/>
	\$1,091 77		\$1,091 77

Harding Fund

Balance March 31, 1929		Expended to March 31, 1930.	\$32 90
Savings deposit.....	\$1,000 00	Balance in savings deposit ..	1,000 00
Bank.....	29 68	Balance in bank.....	46 78
Receipts from income.....	50 00		
	<hr/>		<hr/>
	\$1,079 68		\$1,079 68

Howe Fund

Balance March 31, 1929		Expended to March 31, 1930.	\$216 38
Bonds.....	\$3,000 00	Balance in bonds.....	3,000 00
Bank.....	167 01	Balance in bank.....	78 14
Receipts from income.....	127 50		
	<hr/>		<hr/>
	\$3,294 51		\$3,294 51

Murdock Fund

Balance March 31, 1929		Expended to March 31, 1930.	
Savings deposit.....	\$2,000 00	Balance in savings deposit ..	\$2,000 00
Bank.....	80 98	Balance in bank.....	189 51
Receipts from income.....	108 53		
	<hr/>		<hr/>
	\$2,189 51		\$2,189 51

William E. Saunders Fund

Balance March 31, 1929		Expended to March 31, 1930.	\$194 53
Bonds.....	\$7,000 00	Balance in bonds.....	7,000 00
Bank.....	63 46	Balance in savings deposit ..	1,000 00
Savings deposit.....	1,000 00	Balance in bank.....	217 88
Receipts from income.....	297 50		
Interest on savings deposit...	51 45		
	<hr/>		<hr/>
	\$8,412 41		\$8,412 41

Edward H. Whorf Fund

Balance March 31, 1929		Expended to March 31, 1930.	\$127 20
Bonds.....	\$3,000 00	Balance in bonds.....	3,000 00
Bank.....	27 94	Balance in bank.....	105 91
Receipts from income.....	205 17		
	<hr/>		<hr/>
	\$3,233 11		\$3,233 11

Wilson Fund

Balance March 31, 1929		Expended to March 31, 1930.	\$0 00
Bonds.....	\$1,000 00	Balance in savings deposit ..	1,000 00
Bank.....	54 98	Balance in bank.....	101 99
Interest on deposit.....	46 92		
	<hr/>		<hr/>
	\$1,101 90		\$1,101 99

James A. Woolson Fund

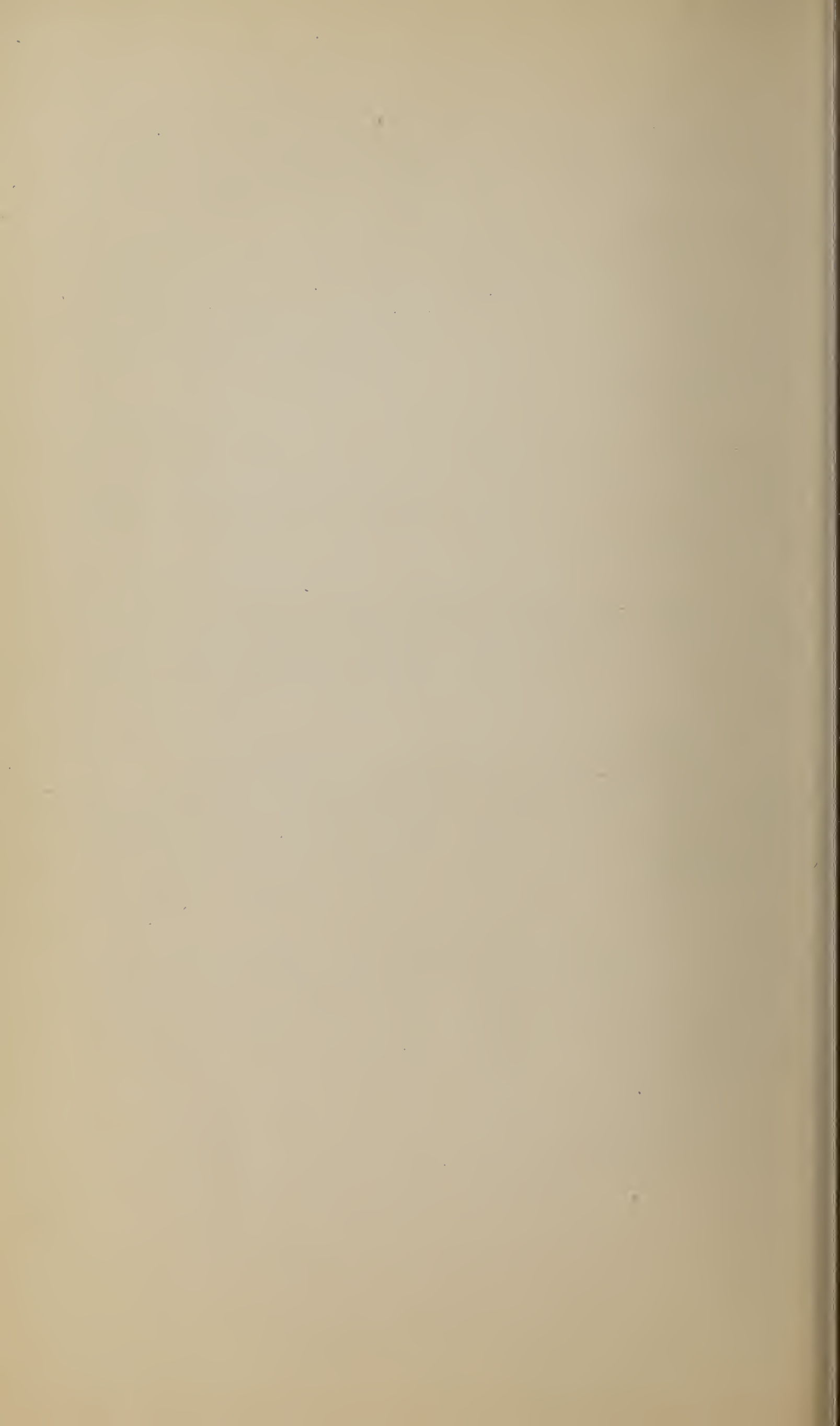
Balance March 31, 1929		Expended to March 31, 1930.	\$87 71
Bonds.....	\$5,000 00	Balance in bonds.....	5,000 00
Bank.....	85 16	Balance in bank.....	209 95
Receipts from income.....	212 50		
	<hr/>		<hr/>
	\$5,297 66		\$5,297 66

Fund Established by a Citizen of Cambridge

Balance March 31, 1929		Expended to March 31, 1930.	
Bonds.....	\$3,000 00	Balance in bonds.....	\$3,000 00
Bank.....	924 34	Balance in bank.....	1,249 84
Savings deposit.....	4,400 00	Balance in savings deposit ..	4,400 00
Receipts from income.....	127 50		
Interest on savings account. .	198 00		
	<hr/>		<hr/>
	\$8,649 84		\$8,649 84

FINES ACCOUNT

April	To cash from fines	\$305 05	By cash paid City Treasurer	\$2,215 96
May	To cash from fines	203 03		
June	To cash from fines	217 63		
July	To cash from fines	130 05		
August	To cash from fines	163 09		
Sept.	To cash from fines	101 50		
Oct.	To cash from fines	224 75		
Nov.	To cash from fines	156 14		
Dec.	To cash from fines	241 42		
Jan.	To cash from fines	194 08		
Feb.	To cash from fines	278 62		
		<hr/>		
		\$2,215 96		



CITY OF CAMBRIDGE
MASSACHUSETTS

REPORT
OF THE
BOARD OF ELECTION
COMMISSIONERS

For the Year Ending March 31, 1930



PRINTED FOR THE DEPARTMENT UNDER THE DIRECTION
OF THE CITY CLERK

SPECIAL STATE PRIMARY AND ELECTION, MAY 14 AND MAY 28, 1929 (CORRECTED BY RECOUNTS)
SECOND MIDDLESEX DISTRICT

CANDIDATES FOR REPRESENTATIVE

SPECIAL STATE PRIMARY May 14, 1929										SPECIAL ELECTION May 28, 1929				
	Democratic					Republican								
Names of Candidates	Total Vote	Philip F. Doherty 527 Franklin St.	Edward J. Gurry 4 Bell Court	John J. Kiley 28 Flagg St.	James M. McGrath 11 Florence St.	Blanks	Total Vote	Harold M. Bradbury 32 Rockingham St.	Edwin A. Cutting 69 Magazine St.	Blanks	Total Vote	Harold M. Bradbury 32 Rockingham St.	John J. Kiley 28 Flagg St.	Blanks
Ward 4 Precinct 1.....	44	0	28	14	1	1	44	30	13	1	115	55	59	1
Precinct 2.....	73	1	37	31	1	3	82	26	56	0	153	62	89	2
Precinct 3.....	42	1	20	18	3	0	163	73	89	1	208	127	79	2
Precinct 4.....	35	2	13	12	7	1	161	96	62	3	221	138	83	0
Precinct 5.....	40	3	2	33	2	0	137	51	85	1	198	103	95	0
Totals.....	234	7	100	108	14	5	587	276	305	6	895	485	405	5
Ward 5 Precinct 1.....	147	1	100	16	27	3	103	45	56	2	245	104	140	1
Precinct 2.....	72	0	35	19	18	0	291	60	228	3	294	164	127	3
Precinct 3.....	163	3	123	18	12	7	248	145	99	4	438	248	187	3
Precinct 4.....	263	1	221	18	20	3	220	144	72	4	496	344	148	4
Totals.....	645	5	479	71	77	13	862	394	455	13	1,473	860	602	11
Ward 6 Precinct 1.....	98	1	45	50	2	0	103	71	29	3	295	118	177	0
Precinct 2.....	104	3	56	40	3	2	85	49	34	2	240	95	145	0
Precinct 3.....	252	4	18	217	6	7	65	50	14	1	443	106	336	1
Precinct 4.....	398	0	23	371	2	2	16	12	3	1	533	21	512	0
Totals.....	852	8	142	678	13	11	269	182	80	7	1,511	340	1,170	1
Totals.....	1,731	20	721	857	104	29	1,718	852	840	26	3,879	1,685	2,177	17

PRIMARY ELECTION, OCTOBER 15, 1929 (CORRECTED BY RECOUNTS)

CANDIDATES FOR			MAYOR		SCHOOL COMMITTEE													
Names of Candidates			Whole Number of Ballots Cast	Richard M. Russell 16 Highland St.	Edward W. Quinn 105 Fresh Pond Pkwy.	J. Edward Barry 276 Harvard St.	Russell Wood	Blanks	Jessie W. Brooks 10 Linnaean St.	Raymond A. Fitzgerald 1 Leonard Ave.	Elizabeth L. McNamara 239 Upland Rd.	Harold G. Jackson 2579 Mass. Ave.	Francis J. DeCelles 334 Walden St.	Joseph Guiney 10 Hawthorne Park	Benjamin M. Cohen 328 Prospect St.	John D. Lynch 20 Fairfield St.	Russell Wood	Blanks
Ward 1	Precinct 1.....	557	149	290	109			9	215	321	154	61	139	97	71	186		427
	Precinct 2.....	615	214	265	132			4	173	367	162	41	168	111	108	226		489
	Precinct 3.....	562	145	252	135			30	177	338	156	38	136	143	100	160		438
	Precinct 4.....	495	134	211	142			8	177	278	144	54	108	74	98	162		390
	Precinct 5.....	501	105	180	211			5	178	262	170	46	78	62	141	173		393
Totals.....		2,730	747	1,198	729			56	920	1,566	786	240	629	487	518	907		2,137
Ward 2	Precinct 1.....	169	59	66	38			6	41	74	44	21	27	36	39	71		154
	Precinct 2.....	577	141	240	190			6	211	310	177	78	121	126	119	213		376
	Precinct 3.....	379	120	151	102			6	151	199	123	58	67	74	57	122		286
	Precinct 4.....	422	142	147	125			8	175	206	113	86	77	87	77	142		303
	Precinct 5.....	270	113	77	77			3	146	119	97	77	43	44	33	72		179
Totals.....		1,817	575	681	532			29	724	908	554	320	335	367	325	620		1,298
Ward 3	Precinct 1.....	463	134	208	118			3	164	250	139	32	118	67	131	139		349
	Precinct 2.....	521	155	222	139			5	152	286	119	50	92	94	186	153		431
	Precinct 3.....	433	114	170	146			3	174	242	108	49	103	103	94	128		298
	Precinct 4.....	547	180	210	153			4	228	347	140	57	112	194	96	145		322
	Precinct 5.....	380	125	165	90			0	188	270	68	48	76	96	60	80		254
Totals.....		2,344	708	975	646			15	906	1,395	574	236	501	554	567	645		1,654
Ward 4	Precinct 1.....	229	83	94	51			1	115	121	59	61	53	53	38	77		110
	Precinct 2.....	357	124	115	114			4	183	193	96	69	90	87	56	83		214
	Precinct 3.....	439	215	108	115			1	258	220	110	151	83	86	75	98		236
	Precinct 4.....	450	232	130	86			2	280	187	110	131	181	78	76	100		207
	Precinct 5.....	437	265	102	65			5	277	215	126	144	78	88	66	97		220
Totals.....		1,912	919	549	431			13	1,113	936	501	556	485	392	311	455		987

Precinct 1	493	104	211	112	8	304	230	157	93	92	106	75	125		303
Precinct 2	526	321	122	79	4	355	233	134	205	95	71	89	108		288
Precinct 3	654	315	206	126	7	425	301	162	190	113	125	108	144		394
Precinct 4	576	163	185	226	2	353	273	128	144	94	118	72	136		410
Totals	2,251	963	721	543	21	1,437	1,037	581	632	394	420	344	513		1,395
Ward 6															
Precinct 1	356	118	154	78	4	167	168	106	60	60	74	47	112		274
Precinct 2	275	124	110	40	1	155	122	87	66	49	46	46	68		186
Precinct 3	497	135	304	51	7	243	260	133	82	67	154	69	149		334
Precinct 4	475	177	237	58	3	196	263	141	100	98	145	38	159		285
Totals	1,603	554	805	227	15	761	813	467	308	274	419	200	488		1,079
Ward 7															
Precinct 1	364	242	72	47	3	277	182	103	125	65	76	45	66		153
Precinct 2	356	200	107	45	4	238	189	124	95	77	69	44	76		156
Precinct 3	331	238	55	38	0	195	182	72	85	72	70	47	80		190
Precinct 4	504	199	197	101	7	266	339	139	70	71	85	84	135		323
Precinct 5	145	102	28	15	0	93	56	32	53	21	16	17	24		123
Totals	1,700	981	459	246	14	1,069	948	470	428	306	316	237	381		945
Ward 8															
Precinct 1	415	307	52	54	2	315	194	106	154	51	76	56	69	1	223
Precinct 2	319	263	23	32	1	251	140	80	136	42	48	39	57		164
Precinct 3	446	293	106	47	0	298	223	111	115	120	88	48	83		252
Precinct 4	322	220	68	33	1	215	146	84	93	40	68	37	82		201
Totals	1,502	1,083	249	166	4	1,079	703	381	498	253	280	180	291	1	840
Ward 9															
Precinct 1	625	240	232	148	5	372	296	162	84	243	207	37	137		337
Precinct 2	646	255	283	103	5	355	346	180	79	224	225	36	151		342
Precinct 3	467	361	65	37	4	306	208	94	121	147	102	45	58		320
Precinct 4	424	196	182	42	4	261	222	104	96	124	167	40	81		177
Precinct 5	521	206	251	58	6	374	325	126	51	98	173	44	110		262
Precinct 6	348	181	113	51	3	230	175	87	92	90	97	31	75		167
Totals	3,031	1,439	1,126	439	27	1,898	1,572	753	523	926	971	233	612		1,605
Ward 10															
Precinct 1	516	191	250	70	5	294	241	135	123	124	110	35	199		287
Precinct 2	401	260	66	70	5	290	165	95	154	84	85	31	80		219
Precinct 3	530	257	164	105	4	300	230	173	90	136	109	41	153		358
Precinct 4	495	173	208	106	8	249	197	186	61	258	120	32	127		255
Precinct 5	551	218	278	51	4	290	249	145	68	282	150	57	131		281
Totals	2,493	1,099	966	402	26	1,423	1,082	734	496	884	574	196	690		1,400
Ward 11															
Precinct 1	497	173	229	86	9	241	227	91	105	91	108	42	294		292
Precinct 2	519	183	232	96	8	207	271	115	109	129	112	23	331		260
Precinct 3	653	210	321	113	9	255	228	153	101	170	137	53	434		428
Precinct 4	541	147	271	110	13	201	229	109	105	130	103	39	405		302
Precinct 5	591	184	285	115	7	210	224	108	179	104	153	29	392		374
Totals	2,801	897	1,338	520	46	1,114	1,179	576	599	624	613	186	1,856		1,656
Grand Totals	24,184	9,965	9,070	4,881	2,266	12,444	12,139	6,377	4,836	5,611	5,393	3,297	7,458	1	14,996

PRIMARY ELECTION, OCTOBER 15, 1929 (CORRECTED BY RECOUNTS) (Continued)

CANDIDATES FOR COUNCILLORS AT LARGE

Names of Candidates	Whole Number of Ballots Cast	Daniel P. Leahy 5 Rindgefield St.	Franklin H. Wright 18 Upton St.	William S. West 120 Pearl St.	Charles H. Shea 65 Putnam Ave.	John F. Driscoll 3 Suffolk St.	Joseph M. Stokes 83 Grozier Road	Joseph H. Roper 339 Norfolk St.	Jeremiah J. McNamara 12 Palermo St.	Edward J. Sennott 366 Broadway	Arthur F. Blanchard 159 Upland Rd.	Cornelius P. Cronin 45 Fresh Pond Pkwy.	Daniel A. Buckley 73 Magazine St.	James H. Donovan 120 Cherry St.	Joseph A. Sullivan 371 Cambridge St.	Eugene A. Hamilton 39 Lee St.	Daniel F. Driscoll 14 Harding St.	Thomas J. Sheehan 26 Winter St.	Hugh G. Anderson 85 Trowbridge St.	Martin J. Morris 364 Broadway	Blanks	
Ward 1	Precinct 1.....	557	216	18	27	249	51	304	27	84	199	21	86	77	18	124	21	60	125	33	20	468
	Precinct 2.....	615	233	11	8	295	52	309	57	161	197	14	123	88	24	104	38	78	100	30	10	528
	Precinct 3.....	562	230	17	14	261	61	303	33	90	227	116	111	93	18	74	41	75	67	24	11	382
	Precinct 4.....	495	199	12	10	195	52	301	26	63	241	9	137	67	17	37	28	100	25	10	16	435
	Precinct 5.....	501	199	12	11	150	65	244	24	132	260	4	119	49	25	37	47	183	17	12	12	397
Totals.....		2,730	1,077	70	70	1,150	281	1,461	167	530	1,124	164	576	374	102	376	175	496	334	114	69	2,210
Ward 2	Precinct 1.....	169	72	2	5	62	29	72	2	8	91	6	42	37	22	7	9	17	8	2	7	176
	Precinct 2.....	577	215	35	23	249	139	252	25	29	290	38	155	133	41	38	89	45	25	45	51	391
	Precinct 3.....	379	159	34	36	149	132	124	12	11	177	26	84	83	72	14	54	28	15	42	25	239
	Precinct 4.....	422	167	66	46	152	163	103	19	22	186	31	89	81	51	42	64	31	15	25	30	305
	Precinct 5.....	270	95	54	43	81	86	86	14	12	88	48	45	47	11	9	61	17	5	52	17	209
Totals.....		1,817	708	191	153	693	549	637	72	82	832	149	415	381	197	110	277	138	68	166	130	1,320
Ward 3	Precinct 1.....	463	201	27	9	176	70	232	37	40	293	16	90	70	11	40	24	58	17	22	16	403
	Precinct 2.....	521	243	18	13	211	74	289	19	46	332	14	110	84	21	57	37	69	19	31	22	375
	Precinct 3.....	433	145	31	26	162	90	173	17	24	258	35	62	127	22	20	49	26	10	44	38	373
	Precinct 4.....	547	202	26	16	216	52	272	9	23	327	37	159	130	16	33	79	48	15	74	42	412
	Precinct 5.....	380	125	32	14	170	32	193	9	6	210	48	93	92	4	20	68	17	12	82	37	256
Totals.....		2,344	916	134	78	935	318	1,159	91	139	1,420	150	514	503	74	170	257	218	73	253	155	1,819
Ward 4	Precinct 1.....	229	87	36	29	68	84	68	17	6	100	30	34	74	7	11	38	14	4	30	10	169
	Precinct 2.....	357	107	46	20	131	42	104	7	8	158	60	87	93	8	15	114	24	3	62	25	314
	Precinct 3.....	439	120	104	63	114	83	111	21	17	137	123	66	135	14	20	173	15	5	98	25	312
	Precinct 4.....	450	139	110	44	157	49	115	18	10	136	122	101	113	12	16	215	12	9	96	21	305
	Precinct 5.....	437	100	114	49	198	30	127	19	8	119	135	93	98	3	18	130	17	7	121	30	332
Totals.....		1,912	553	410	205	668	288	525	82	49	650	470	381	513	44	80	670	82	28	407	111	1,432

Ward 5	Precinct 1.....	495	205	52	75	158	85	186	16	19	179	51	85	143	21	25	158	23	11	68	15	405
	Precinct 2.....	526	130	140	100	106	60	140	20	11	143	161	79	149	9	18	262	11	13	122	29	401
	Precinct 3.....	654	220	125	87	189	80	182	27	19	157	146	159	218	20	30	292	33	16	118	25	473
	Precinct 4.....	576	218	95	77	210	93	156	22	25	173	88	108	171	15	25	192	25	10	87	21	493
Totals.....		2,251	773	412	339	663	318	664	85	74	652	446	431	681	65	98	904	92	50	395	90	1,772
Ward 6	Precinct 1.....	356	132	92	66	146	86	97	16	11	119	43	66	68	5	19	66	11	18	29	17	317
	Precinct 2.....	275	103	87	38	116	36	84	9	8	87	41	60	54	7	18	99	17	9	41	21	165
	Precinct 3.....	497	233	121	45	333	74	182	21	18	124	35	143	84	13	33	57	34	9	54	8	367
	Precinct 4.....	475	235	14	8	394	42	248	9	11	115	25	157	69	5	33	87	23	9	29	3	374
Totals.....		1,603	703	314	157	989	238	611	55	48	445	144	426	275	30	103	309	95	45	153	49	1,223
Ward 7	Precinct 1.....	364	127	107	54	126	27	123	14	6	87	156	103	87	6	9	86	11	8	94	14	211
	Precinct 2.....	356	134	69	30	146	32	153	15	20	109	123	102	58	8	17	73	13	14	93	20	195
	Precinct 3.....	331	116	58	21	89	16	101	11	9	75	112	123	89	2	14	82	8	3	84	16	295
	Precinct 4.....	504	227	50	34	278	39	268	27	26	203	70	125	87	5	30	45	42	15	66	46	333
	Precinct 5.....	145	47	38	15	53	9	34	9	3	24	58	41	20	4	6	38	2	3	34	8	134
Totals.....		1,700	651	322	154	692	123	679	76	64	498	519	494	341	25	76	324	76	43	371	104	1,168
Ward 8	Precinct 1.....	415	133	103	43	126	9	126	11	7	56	197	142	86	2	13	114	2	6	96	20	368
	Precinct 2.....	319	115	79	39	90	8	103	16	7	62	168	120	67	3	11	66	5	6	71	8	232
	Precinct 3.....	446	188	105	45	183	18	167	22	13	86	127	171	85	4	19	78	15	8	81	19	350
	Precinct 4.....	322	125	58	30	145	21	110	13	12	59	120	100	41	6	15	61	14	7	63	10	278
Totals.....		1,502	561	345	157	544	56	506	62	39	263	612	533	279	15	58	319	36	27	311	57	1,228
Ward 9	Precinct 1.....	625	317	65	33	335	32	325	10	24	256	84	280	132	9	38	53	43	17	58	11	378
	Precinct 2.....	646	276	45	21	311	48	343	16	20	297	81	287	155	5	27	69	27	15	52	23	466
	Precinct 3.....	467	225	73	26	176	16	148	17	9	77	155	194	82	2	18	106	13	8	68	12	443
	Precinct 4.....	424	191	21	17	202	16	266	11	7	152	78	204	96	14	13	53	13	1	62	13	256
	Precinct 5.....	521	281	31	21	269	40	309	17	14	209	50	257	102	10	28	32	27	15	54	10	316
	Precinct 6.....	348	133	43	22	162	9	216	5	7	108	87	169	72	1	10	53	3	4	58	7	223
Totals.....		3,031	1,423	280	140	1,455	161	1,607	76	81	1,099	535	1,391	639	41	134	366	126	60	352	76	2,082
Ward 10	Precinct 1.....	516	270	68	47	212	39	191	26	19	192	121	151	81	13	32	68	18	11	89	16	400
	Precinct 2.....	401	118	103	54	113	25	115	14	18	86	215	85	65	8	14	98	8	9	109	18	329
	Precinct 3.....	530	225	98	61	184	39	217	16	26	149	196	147	82	11	30	76	27	14	77	7	438
	Precinct 4.....	495	296	31	9	267	33	263	10	29	156	71	185	90	9	31	35	35	17	38	13	362
	Precinct 5.....	551	299	63	53	299	57	274	12	39	226	65	215	103	9	47	41	38	16	31	17	300
Totals.....		2,493	1,208	363	224	1,075	193	1,060	78	131	809	668	783	421	50	154	318	126	67	344	71	1,829
Ward 11	Precinct 1.....	497	308	40	30	212	29	257	7	18	199	92	151	102	11	18	40	20	11	52	18	373
	Precinct 2.....	519	360	18	12	274	59	211	13	27	199	68	159	129	10	39	19	35	19	31	17	377
	Precinct 3.....	653	453	19	20	323	35	320	15	14	198	91	184	139	17	39	22	36	27	52	12	596
	Precinct 4.....	541	401	14	18	294	35	257	21	30	173	62	174	89	18	44	20	49	18	37	5	405
	Precinct 5.....	591	406	23	29	285	43	252	17	36	191	68	194	72	18	41	37	34	28	83	14	493
Totals.....		2,801	1,928	114	109	1,388	201	1,297	73	125	960	381	862	531	74	181	138	174	103	255	66	2,244
Grand Totals.....		24,184	10,501	2,955	1,786	10,252	2,726	10,206	917	1,362	8,752	4,238	6,806	4,938	717	1,540	4,057	1,659	898	3,121	978	18,327

CANDIDATES FOR		WARD 8				WARD 9			WARD 10					WARD 11							
Names of Candidates	Whole Number of Ballots Cast	P. Frederic Burton	Lester L. Morrison	Benjamin F. Wyeth	Blanks	James A. Duffey	Joseph L. Crowley	Paul F. Hillery	Blanks	Charles H. Cremens	John F. Lehane	John J. Sullivan	James A. Whaley	James H. Burns	Thomas F. Gibson	Blanks	John J. Foley	George E. Tilton	Jeremiah J. O'Connor	Henry P. Belanger	Blanks
		14 Gray St.	16 Parker St.	12 Hawthorn St.		49 Lawn St.	175 Larch Rd.	268 Huron Ave.		18 Stearns St.	9 Miller Ave.	8 Holly Ave.	89 Walden St.	70 Mt. Vernon St.	24 Walden St.		20 Rindge Ave.	7 Gladstone St.	9 Fairfield St.	36 Brookford St.	
		102	13	241	59		417	160	42		104	3	17	68		271	17				
		45	31	215	28	10	423	189	24		33	5	15	220		69	32				
		44	52	294	56	50	166	190	61		11	10	73	145		209	31				
Precinct 4	322	35	62	172	53	42	342	115	22	231	29	6	48	150	141	24					
Totals	1,502	226	158	922	196	17	227	81	23	188	49	63	60	60	141	26					
Ward 9						147	1,867	821	196												
Precinct 1	625																				
Precinct 2	646																				
Precinct 3	467																				
Precinct 4	424																				
Precinct 5	521																				
Precinct 6	348																				
Totals	3,031																				
Ward 10																					
Precinct 1	511																				
Precinct 2	401																				
Precinct 3	530																				
Precinct 4	495																				
Precinct 5	551																				
Totals	2,488																				
Ward 11																					
Precinct 1	497																				
Precinct 2	519																				
Precinct 3	653																				
Precinct 4	541																				
Precinct 5	591																				
Totals	2,801																				

CITY ELECTION, NOVEMBER 5, 1929 (AS CORRECTED BY RECOUNTS)

Candidates for	MAYOR			ASSESSOR		SCHOOL COMMITTEE					COUNCILLOR-AT-LARGE													
	Whole Number of Ballots Cast	Edward W. Quinn 103 Fresh Pond Pkwy.	Richard M. Russell 16 Highland St.	Blanks	James J. Casey 36 Lexington Ave.	John A. Spencer 78 Aberdeen Ave.	Blanks	Jessie W. Brooks 10 Linnear St.	Francis J. DeCelles 334 Walden St.	Raymond A. Fitzgerald 1 Leonard Ave.	Joseph Guiney Pk. 10 Hawthorne Pk.	John D. Lynch 20 Fairfield St.	Elizabeth L. McNamara 239 Upland Rd.	Blanks	Arthur F. Blanchard 159 Upland Rd.	Daniel A. Buckley 73 Magazine St.	Cornelius P. Cronin 45 Fresh Pond Pkwy.	Eugene A. Hamilton 39 Lee St.	Daniel P. Leahy 5 Rindgefield St.	Edward J. Sennott 366 Broadway	Charles H. Shea 65 Putnam Ave.	Joseph M. Stokes 83 Grozier Rd.	Blanks	
Ward 1																								
Precinct 1	669	417	245	7	226	355	88	342	227	441	132	206	217	442	79	196	198	113	294	393	378	445	580	
Precinct 2	713	411	299	3	199	414	100	301	309	416	158	214	206	535	42	177	200	123	304	431	424	465	686	
Precinct 3	634	328	303	3	142	444	48	277	276	408	138	188	195	417	58	166	202	156	246	376	387	452	493	
Precinct 4	588	300	286	2	240	252	96	297	174	375	105	197	215	401	39	148	245	112	267	370	243	388	540	
Precinct 5	599	236	359	4	222	300	77	335	161	363	113	210	238	377	45	156	279	121	262	452	248	405	428	
Totals	3,203	1,692	1,492	19	1,029	1,765	409	1,552	1,147	2,003	646	1,015	1,071	2,172	263	843	1,124	625	1,373	2,022	1,680	2,155	2,727	
Ward 2																								
Precinct 1	233	115	115	3	118	57	58	118	74	115	47	85	61	199	31	84	65	24	104	146	90	124	264	
Precinct 2	837	449	383	5	433	267	137	424	283	478	189	294	338	508	136	292	341	183	344	557	351	461	683	
Precinct 3	597	283	311	3	325	186	86	330	167	330	112	225	234	393	105	199	207	150	291	379	272	223	462	
Precinct 4	731	302	425	4	313	257	161	394	223	380	159	272	229	536	178	268	211	206	278	407	304	400	672	
Precinct 5	523	188	332	3	207	214	102	335	139	254	109	169	213	350	178	200	133	215	203	261	181	291	430	
Totals	2,921	1,337	1,566	18	1,396	981	544	1,601	886	1,557	616	1,045	1,075	1,986	628	1,043	957	778	1,220	1,750	1,198	1,599	2,511	
Ward 3																								
Precinct 1	571	285	283	3	276	209	86	274	202	335	105	213	254	333	59	150	188	128	276	412	257	381	433	
Precinct 2	645	362	281	2	342	203	100	290	215	404	164	256	205	401	69	186	189	110	269	509	325	439	484	
Precinct 3	562	310	244	8	330	164	68	302	207	353	125	194	206	299	102	240	132	124	213	410	247	312	468	
Precinct 4	709	358	349	2	387	225	97	390	233	462	229	226	220	367	113	239	251	164	263	477	308	421	600	
Precinct 5	552	300	251	1	307	166	79	331	162	393	127	175	165	303	129	187	169	150	196	348	264	308	457	
Totals	3,039	1,615	1,408	16	1,642	967	430	1,587	1,019	1,947	750	1,064	1,050	1,703	472	1,002	929	676	1,217	2,156	1,401	1,861	2,442	
Ward 4																								
Precinct 1	319	134	184	1	156	121	42	192	105	182	80	127	107	164	76	150	84	122	125	198	112	157	252	
Precinct 2	527	220	303	4	266	181	80	289	199	311	133	182	190	277	155	187	193	237	177	299	205	234	421	
Precinct 3	713	217	493	3	302	326	85	439	238	403	138	299	233	392	314	272	221	398	226	360	209	359	493	
Precinct 4	686	207	475	4	274	320	92	457	281	338	134	248	252	348	330	223	222	425	210	344	194	336	460	
Precinct 5	678	191	482	5	292	275	111	432	236	365	138	266	233	367	301	201	253	343	255	305	246	321	487	
Totals	2,923	969	1,937	17	1,290	1,223	410	1,809	1,059	1,599	623	1,122	1,015	1,548	1,176	1,033	973	1,525	993	1,506	966	1,407	2,113	
Ward 5																								
Precinct 1	623	296	327	0	318	223	82	401	229	364	128	208	219	320	146	252	176	269	224	336	260	347	482	
Precinct 2	749	200	548	1	277	373	99	508	278	402	121	229	270	439	329	295	197	485	226	319	200	366	573	
Precinct 3	798	326	467	5	330	362	106	560	281	476	161	224	269	426	251	361	233	434	264	416	273	406	560	
Precinct 4	720	314	403	3	329	295	96	501	247	426	154	200	243	389	197	295	224	364	233	315	300	377	575	
Totals	2,890	1,136	1,745	9	1,254	1,253	383	1,970	1,035	1,668	564	861	1,001	1,574	923	1,203	830	1,552	947	1,386	1,033	1,496	2,190	

Ward 6	Precinct 1	574	281	293	0	280	183	111	311	168	317	102	232	234	358	162	214	202	266	216	225	276	284	451
	Precinct 2	430	199	229	2	207	149	74	264	129	242	67	142	172	274	106	141	123	206	152	245	201	241	305
	Precinct 3	664	432	231	1	374	177	113	399	194	398	169	245	256	331	111	216	250	310	309	172	469	337	482
	Precinct 4	680	394	285	1	399	172	109	348	199	400	170	275	258	390	79	174	324	230	321	120	533	378	561
	Totals	2,348	1,306	1,038	4	1,260	681	407	1,322	690	1,357	508	894	920	1,353	458	745	899	1,012	998	762	1,479	1,240	1,799
Ward 7	Precinct 1	628	192	435	1	276	282	70	470	214	360	107	237	263	233	350	178	309	243	232	233	261	351	355
	Precinct 2	569	228	341	0	294	219	56	373	176	326	106	228	257	241	231	148	261	232	228	191	295	319	371
	Precinct 3	573	123	449	1	239	216	118	333	215	355	129	265	171	251	270	150	328	194	242	245	153	290	420
	Precinct 4	759	424	326	9	411	243	105	419	288	532	144	245	294	355	155	245	279	410	345	159	484	461	498
	Precinct 5	268	59	209	0	92	129	47	174	88	135	52	71	99	185	146	58	109	92	98	126	92	130	221
	Totals	2,797	1,026	1,760	11	1,312	1,089	396	1,769	981	1,708	538	1,046	1,084	1,265	1,152	779	1,286	1,171	1,145	954	1,285	1,551	1,865
Ward 8	Precinct 1	658	95	560	3	254	278	126	473	209	321	135	223	283	330	397	176	344	171	283	259	200	314	488
	Precinct 2	544	67	473	4	204	245	95	370	179	272	97	210	200	304	351	156	254	139	204	236	153	260	423
	Precinct 3	621	161	459	1	285	222	114	392	287	332	128	201	207	316	295	154	333	150	296	245	244	296	471
	Precinct 4	554	187	366	1	278	185	91	355	177	293	109	214	238	276	245	144	247	193	226	193	277	305	386
	Totals	2,377	510	1,858	9	1,021	930	426	1,590	852	1,218	469	848	928	1,226	1,288	630	1,178	653	1,009	933	874	1,175	1,768
Ward 9	Precinct 1	860	431	424	5	481	276	103	593	431	435	304	194	274	349	217	238	470	409	409	139	475	518	565
	Precinct 2	833	461	364	8	476	258	99	516	369	447	283	242	263	382	198	232	439	450	351	164	439	498	561
	Precinct 3	615	104	508	3	276	218	121	389	256	319	147	170	213	348	311	140	380	148	322	226	176	272	485
	Precinct 4	568	272	296	0	341	174	53	390	233	294	224	150	182	231	169	152	305	254	223	140	278	367	384
	Precinct 5	731	422	306	3	378	277	76	543	200	525	195	215	239	279	158	204	404	367	383	105	363	482	458
	Precinct 6	456	170	284	2	247	163	46	331	145	244	144	133	184	187	164	149	248	172	182	108	213	291	297
	Totals	4,063	1,860	2,182	21	2,199	1,366	498	2,762	1,634	2,264	1,297	1,104	1,355	1,776	1,217	1,115	2,246	1,800	1,870	882	1,944	2,428	2,750
Ward 10	Precinct 1	670	338	332	0	347	250	73	442	277	317	136	322	228	288	260	159	236	336	327	173	288	397	504
	Precinct 2	653	112	539	2	203	341	109	514	209	317	116	212	247	344	429	159	236	233	203	280	160	355	557
	Precinct 3	697	251	445	1	330	254	113	433	294	353	118	251	246	396	334	182	251	305	290	199	252	364	611
	Precinct 4	609	309	297	3	368	170	71	351	389	238	149	203	220	277	135	158	303	279	322	77	353	354	455
	Precinct 5	726	391	332	3	410	233	83	466	444	331	210	209	235	286	182	206	325	390	363	128	411	451	448
	Totals	3,355	1,401	1,945	9	1,658	1,248	449	2,206	1,613	1,556	729	1,197	1,176	1,591	1,340	864	1,351	1,543	1,505	857	1,464	1,921	2,575
Ward 11	Precinct 1	647	343	300	4	375	178	94	368	176	277	116	411	161	432	158	161	205	329	395	94	279	387	580
	Precinct 2	701	408	289	4	438	165	98	416	262	342	113	469	171	330	128	216	277	297	457	60	415	361	593
	Precinct 3	800	442	358	0	477	200	123	419	354	281	120	602	207	417	154	190	305	330	549	54	481	474	663
	Precinct 4	699	408	287	4	411	175	113	336	286	268	86	572	168	381	135	155	273	324	510	65	404	407	523
	Precinct 5	758	450	306	2	440	218	100	361	294	341	122	584	177	395	163	179	324	332	512	82	425	418	597
	Totals	3,605	2,051	1,540	14	2,141	936	528	1,900	1,372	1,509	557	2,638	884	1,955	738	901	1,384	1,612	2,423	355	2,004	2,047	2,956
Grand Totals		33,521	11,903	18,471	147	16,202	12,439	4,880	20,068	12,288	18,386	7,297	12,834	11,559	18,149	9,655	10,158	13,157	16,611	14,700	9,899	15,328	18,880	25,696

[illegible]

CITY ELECTION, NOVEMBER 5, 1929

							SUPT. OF BLDGS. CIVIL SERVICE		
							Yes	No	Blank
Ward 1	Precinct 1						248	97	324
	Precinct 2						202	87	424
	Precinct 3						200	80	354
	Precinct 4						191	67	330
	Precinct 5						233	80	286
Totals.....							1,074	411	1,718
Ward 2	Precinct 1						80	19	134
	Precinct 2						363	104	370
	Precinct 3						267	100	230
	Precinct 4						293	87	351
	Precinct 5						267	57	199
Totals.....							1,270	367	1,284
Ward 3	Precinct 1						221	90	260
	Precinct 2						255	92	298
	Precinct 3						240	98	224
	Precinct 4						341	98	270
	Precinct 5						276	69	207
Totals.....							1,333	447	1,259
Ward 4	Precinct 1						150	43	126
	Precinct 2						282	57	188
	Precinct 3						396	89	228
	Precinct 4						371	73	242
	Precinct 5						397	75	206
Totals.....							1,596	337	990
Ward 5	Precinct 1						291	77	255
	Precinct 2						377	87	285
	Precinct 3						373	92	333
	Precinct 4						335	90	295
Totals.....							1,376	346	1,168
Ward 6	Precinct 1						269	72	233
	Precinct 2						219	39	172
	Precinct 3						257	90	317
	Precinct 4						252	98	330
Totals.....							997	299	1,052
Ward 7	Precinct 1						376	54	198
	Precinct 2						311	63	195
	Precinct 3						325	63	185
	Precinct 4						327	141	291
	Precinct 5						158	26	84
Totals.....							1,497	347	953
Ward 8	Precinct 1						401	53	204
	Precinct 2						313	42	189
	Precinct 3						346	49	226
	Precinct 4						319	42	193
Totals.....							1,379	186	812
Ward 9	Precinct 1						434	108	318
	Precinct 2						362	149	322
	Precinct 3						344	49	222
	Precinct 4						290	84	194
	Precinct 5						311	101	319
	Precinct 6						245	67	144
Totals.....							1,986	558	1,519

CITY ELECTION, NOVEMBER 5, 1929

							SUPT. OF BLDGS. CIVIL SERVICE		
							Yes	No.	Blanks
Ward 10	Precinct 1.....						382	55	233
	Precinct 2.....						359	49	245
	Precinct 3.....						342	111	244
	Precinct 4.....						250	80	279
	Precinct 5.....						328	82	316
Totals.....							1,661	377	1,317
Ward 11	Precinct 1.....						319	84	244
	Precinct 2.....						352	82	267
	Precinct 3.....						401	82	317
	Precinct 4.....						292	87	320
	Precinct 5.....						353	88	317
Totals.....							1,717	423	1,465
Grand Totals.....							15,886	4,098	13,537

REGISTERED VOTERS AND POLICE LISTING

		VOTING LIST November, 1929			POLICE LISTING April 1, 1929		
		Men	Women	Total	Men	Women	Total
Ward 1	Precinct 1 . . .	469	283	752	1,064	887	1,951
	Precinct 2 . . .	502	309	811	1,018	860	1,878
	Precinct 3 . . .	407	290	697	868	756	1,624
	Precinct 4 . . .	423	252	675	1,138	959	2,097
	Precinct 5 . . .	418	268	686	794	720	1,514
Totals		2,219	1,402	3,621	4,882	4,182	9,064
Ward 2	Precinct 1 . . .	183	105	288	339	294	633
	Precinct 2 . . .	542	456	998	830	844	1,674
	Precinct 3 . . .	410	333	743	622	745	1,367
	Precinct 4 . . .	592	319	911	1,351	1,180	2,531
	Precinct 5 . . .	391	324	715	803	741	1,544
Totals		2,118	1,537	3,655	3,945	3,804	7,749
Ward 3	Precinct 1 . . .	416	270	686	760	681	1,441
	Precinct 2 . . .	427	355	782	584	628	1,212
	Precinct 3 . . .	341	337	678	494	536	1,030
	Precinct 4 . . .	399	431	830	540	678	1,218
	Precinct 5 . . .	318	354	672	356	452	808
Totals		1,901	1,747	3,648	2,734	2,975	5,709
Ward 4	Precinct 1 . . .	242	180	422	505	381	886
	Precinct 2 . . .	313	378	691	467	635	1,102
	Precinct 3 . . .	467	442	909	933	844	1,777
	Precinct 4 . . .	427	538	965	706	937	1,643
	Precinct 5 . . .	365	540	905	565	906	1,471
Totals		1,814	2,078	3,892	3,176	3,703	6,879
Ward 5	Precinct 1 . . .	431	355	786	614	909	1,523
	Precinct 2 . . .	406	504	910	664	774	1,438
	Precinct 3 . . .	481	467	948	762	844	1,606
	Precinct 4 . . .	453	394	847	730	743	1,473
Totals		1,771	1,720	3,491	2,770	3,270	6,040
Ward 6	Precinct 1 . . .	362	343	705	741	774	1,515
	Precinct 2 . . .	297	241	538	572	624	1,196
	Precinct 3 . . .	468	363	831	789	834	1,623
	Precinct 4 . . .	410	388	798	568	682	1,250
Totals		1,537	1,335	2,872	2,670	2,914	5,584
Ward 7	Precinct 1 . . .	341	527	868	473	747	1,220
	Precinct 2 . . .	351	370	721	486	594	1,080
	Precinct 3 . . .	324	478	802	451	802	1,253
	Precinct 4 . . .	447	474	921	688	806	1,494
	Precinct 5 . . .	173	238	411	266	405	671
Totals		1,636	2,087	3,723	2,364	3,354	5,718

REGISTERED VOTERS AND POLICE LISTING (*Continued*)

		VOTING LIST November, 1929			POLICE LISTING April 1, 1929		
		Men	Women	Total	Men	Women	Total
Ward 8	Precinct 1 . . .	352	590	942	590	907	1,497
	Precinct 2 . . .	294	488	782	407	722	1,129
	Precinct 3 . . .	316	473	789	422	671	1,093
	Precinct 4 . . .	337	414	751	527	721	1,248
Totals		1,299	1,965	3,264	1,946	3,021	4,967
Ward 9	Precinct 1 . . .	489	539	1,028	609	764	1,373
	Precinct 2 . . .	457	525	982	558	710	1,268
	Precinct 3 . . .	333	436	769	420	820	1,240
	Precinct 4 . . .	304	375	679	695	937	1,632
	Precinct 5 . . .	444	443	887	670	759	1,429
	Precinct 6 . . .	253	298	551	* . . .	* . . .	* . . .
Totals		2,280	2,616	4,896	2,952	3,990	6,942
Ward 10	Precinct 1 . . .	392	417	809	585	644	1,229
	Precinct 2 . . .	365	543	908	544	872	1,416
	Precinct 3 . . .	419	436	855	564	686	1,250
	Precinct 4 . . .	376	346	722	481	576	1,057
	Precinct 5 . . .	440	411	851	691	701	1,392
Totals		1,992	2,153	4,145	2,865	3,479	6,344
Ward 11	Precinct 1 . . .	372	384	756	493	549	1,042
	Precinct 2 . . .	401	403	804	545	601	1,146
	Precinct 3 . . .	455	432	887	685	738	1,423
	Precinct 4 . . .	424	360	784	725	690	1,415
	Precinct 5 . . .	473	401	874	691	709	1,400
Totals		2,125	1,980	4,105	3,139	3,287	6,426
Grand Totals		20,692	20,620	41,312	33,443	37,979	71,422

* Part of Precinct 4.

J. FRANK FACEY, *Chairman*,
HARRY A. PENNIMAN, *Secretary*,
JAMES H. KELLEHER,
FREDERIC F. CLAUSS,
Election Commission.

ORDINANCES

PASSED BETWEEN APRIL 1, 1929 AND APRIL 1, 1930

AN ORDINANCE

In amendment to an Ordinance entitled "Engineering."

Be it ordained by the City Council of the City of Cambridge as follows:

Chapter 10, Section 1 is hereby amended by adding the following paragraph at the end of the present section:

There shall be a Deputy City Engineer, who shall in accordance with the Civil Service Law be appointed by the City Engineer, from the members of the Department.

The said Deputy City Engineer, in addition to any other duties or authority prescribed for him, shall be in charge of the Engineering Department, whenever the City Engineer may be absent or unable to perform the duties of his position, and said Deputy City Engineer shall then perform such duties and have such authority as is prescribed for the City Engineer.

Passed to be ordained April 16, 1929.

Approved by the Mayor April 18, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled "Duties and Salaries."

Be it ordained by the City Council of the City of Cambridge as follows:

Section 30 of Chapter 28 of the Revised Ordinances of 1892, as amended to November 8, 1899, is hereby further amended in the line relating to the salary of the Superintendent of Streets by striking out the numerals 3750 and inserting in place thereof the numerals 4250.

As amended the line will read as follows:

Superintendent of Streets, \$4,250.

This Ordinance to take effect as of April 1, 1929.

Passed to be ordained, April 16, 1929.

Approved by the Mayor, April 18, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled "Duties and Salaries."

Be it ordained by the City Council of the City of Cambridge as follows:

Section 30, Chapter 28 of the Revised Ordinances of 1892, as amended to November 8, 1899, is hereby amended in the line relating to the salary of the Chief of Police by striking out the figures 4250 and inserting in place thereof the figures 4500.

As amended the line will read as follows:

Chief of Police Department, \$4,500.

This ordinance to take effect as of April 1, 1929.

Passed to be ordained, April 16, 1929.

Approved by the Mayor, April 18, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled "Duties and Salaries."

Be it ordained by the City Council of the City of Cambridge as follows:

Section 30, Chapter 28 of the Revised Ordinances of 1892, as amended to November 8, 1899, is hereby amended in the line relating to the salary of the Chief of the Fire Department by striking out the figures 4250 and inserting in place thereof the figures 4500.

As amended the line will read as follows:

Chief of Fire Department, \$4,500.

This Ordinance to take effect as of April 1, 1929.

Passed to be ordained, April 16, 1929.

Approved by the Mayor, April 18, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled: "Street."

Be it ordained by the City Council of the City of Cambridge as follows:

Chapter 25 of the Revised Ordinances of 1892 as amended to November 8, 1899 is hereby amended by adding at the end thereof the following section:

Section 22A. No advertising banner shall be extended

across any highway in the City excepting those of religious or charitable organizations.

Passed to be ordained, April 30, 1929.

Approved by the Mayor, May 3, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled "Regulation of Traffic." Be it ordained by the City Council of the City of Cambridge as follows:

Article VIII is hereby amended by adding at the end thereof the following new section:

"No vehicle shall be permitted to park on Third Street from Northern Artery to Cambridge Street."

Passed to be ordained, April 30, 1929.

Approved by the Mayor, May 3, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled "Regulation of Traffic." Be it ordained by the City Council of the City of Cambridge as follows:

Section 1 of Article VII relative to one-way streets is hereby amended by striking out the following:

"Third Street, from Gore Street to Cambridge Street, in a southerly direction."

Passed to be ordained, May 14, 1929.

Approved by the Mayor, May 17, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled: "Construction, Use, Maintenance and Inspection of Buildings."

Be it ordained by the City Council of the City of Cambridge as follows:

The Zone Map accompanying ordinance adopted December 31, 1923 and approved January 7, 1924, entitled: "Construction, Use, Maintenance and Inspection of Buildings" is hereby amended by establishing new lines and striking out the designation B-3 as shown on said Zone Map and substituting in place

thereof new lines and the designation B-1 in so far as the said Zone Map relates to the following described parcels of land:

PARCEL A

Beginning at a point in the westerly line of Blackstone Street at the tangent point of a curve into River Street, thence south-westerly along said curve forty-three and forty-three hundredths (43.43) feet to its other tangent point in the northerly line of River Street, thence westerly along the said northerly line of River Street two hundred seventy-eight and twenty-five hundredths (278.25) feet to a corner, thence northerly by the division line between land of the Atlantic Refining Company and land of Houghton Mifflin Company one hundred five and five tenths (105.5) feet to a corner, thence westerly by the division line between land of the said Atlantic Refining Company and the Houghton Mifflin Company seventy-four and forty-five hundredths (74.45) feet to a corner in the easterly line of Memorial Drive, thence northerly along the said easterly line of Memorial Drive one hundred four and sixteen hundredths (104.16) feet to an angle, thence again northerly three hundred eighty-nine and eighty-one hundredths (389.81) feet to a corner, thence north-westerly seventeen and fifty-six hundredths (17.56) feet to an angle, thence northerly thirty-one and eighty-eight hundredths (31.88) feet to a corner, thence northeasterly three and ninety-nine hundredths (3.99) feet to a corner, thence northerly along the said easterly line of Memorial Drive one hundred twenty-seven (127.0) feet more or less to a corner, thence easterly along the division line between land of the Cambridge Electric Light Company and land of the Houghton Mifflin Company three hundred thirty-two and twenty-six hundredths (332.26) feet to a corner in the westerly line of Blackstone Street, thence southerly along the said westerly line of Blackstone Street three hundred sixty-six and forty-nine hundredths (366.49) feet to an angle, thence again southerly eighty-five and sixty-five hundredths (85.65) feet to the tangent point of a curve into River Street at the point of beginning.

The above described land is shown upon the Assessors' Block Plan No. 129, Lots No. 56 and 39 and on file in the office of the Board of Assessors, Cambridge, Mass.

PARCEL B

Beginning at a point in the westerly line of Blackstone Street, said point being two hundred (200.0) feet southerly from the southerly line of Western Avenue, thence southerly along the said westerly line of Blackstone Street one hundred twenty (120) feet to a corner, thence westerly along the northerly line of a private way one hundred forty (140.0) feet to a corner, thence northerly along the Division line between land of now or formerly Cambridge Electric Light Company and land of the Standard Dairy Company, one hundred twenty (120) feet to a corner, thence easterly by the division line between land now or formerly of said Cambridge Electric Light Company and the Standard Dairy Company one hundred forty (140.0) feet to the westerly line of Blackstone Street at the point of beginning.

The above described land is shown upon the Assessors' Block Plan No. 129, Lot No. 38, and on file in the office of the Board of Assessors, Cambridge, Mass.

Passed to be ordained, May 21, 1929.

Approved by the Mayor, May 24, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled "Regulation of Traffic." Be it ordained by the City Council of the City of Cambridge as follows:

Section 2 of Article VII is hereby amended by inserting before the word "Dunster" the words "Gurney Street and."

As amended the section will read as follows:

Section 2. Vehicles shall stand only at the curb on the right on one-way streets, except on Gurney Street and Dunster Street, where they may stand at either curb, but vehicles may stop at the opposite curb to let off or take on passengers or to receive or deliver merchandise.

Passed to be ordained, June 18, 1929.

Approved by the Mayor, June 21, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled "Regulation of Traffic." Be it ordained by the City Council of the City of Cambridge as follows:

Section 1 of Article VII is hereby amended by including in the list of one-way streets the following:

Gurney Street, in a southerly and easterly direction.

Passed to be ordained, June 18, 1929.

Approved by the Mayor, June 21, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled "Construction, Use, Maintenance and Inspection of Buildings."

Be it ordained by the City Council of the City of Cambridge as follows:

Section 6 of Division 1 is hereby amended by striking out the last sentence in the first paragraph and substituting in place thereof the following:

"No such work shall be started without such a permit, nor no such work shall be done, nor shall changes be made during construction except in accordance with original drawings or amended drawings, or both, bearing the approval of the Superintendent."

Passed to be ordained, June 18, 1929.

Approved by the Mayor, June 21, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled "Regulation of Traffic." Be it ordained by the City Council of the City of Cambridge as follows:

That an ordinance entitled "Regulation of Traffic" be and the same hereby is amended by adding the following new paragraph:

Left Turns Prohibited

The operator of a vehicle shall not make a left turn from Somerville Avenue into Massachusetts Avenue, westerly, excepting at a point beyond the northern end of the loading platform located in Porter Square.

Passed to be ordained, June 18, 1929.

Approved by the Mayor, June 21, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled "Regulation of Traffic."
Be it ordained by the City Council of the City of Cambridge as follows:

Article VIII is hereby amended by adding the following section:

"Safety Zones or Islands shall be provided at all car stops on Massachusetts Avenue from Waterhouse Street to the Arlington Line; and no parking shall be permitted between such safety zones or islands and the curb or within fifty feet of either end of such zones or islands."

Passed to be ordained, June 18, 1929.

Approved by the Mayor, June 21, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled "Regulation of Traffic."
Be it ordained by the City Council of the City of Cambridge as follows:

Section 1 of Article VII is hereby amended by including in the list of one-way streets the following:

"Massachusetts Avenue, westerly side, from a point opposite Jarvis Street to Waterhouse Street in a southerly direction."

Passed to be ordained, June 18, 1929.

Approved by the Mayor, June 21, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled "Regulation of Traffic."
Be it ordained by the City Council of the City of Cambridge as follows:

Article VIII is hereby amended by adding the following section:

"No vehicle shall enter Massachusetts Avenue at intersecting streets from Waterhouse Street to the Arlington Line without coming to a dead stop."

Passed to be ordained, June 18, 1929.

Approved by the Mayor, June 21, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled "Construction, Use, Maintenance and Inspection of Buildings."

Be it ordained by the City Council of the City of Cambridge as follows:

Section 3 of Division 1 is hereby amended by striking out the last paragraph of said Section 3 and substituting in place thereof the following paragraph:

"Each member or associate member of said board shall be paid ten dollars per day for actual service but not more than five hundred dollars in any one year. The reasonable expenses of said board, including such clerical assistance and office expenses as shall be approved by the mayor, shall be paid."

Passed to be ordained, June 18, 1929.

Approved by the Mayor, June 21, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled "Construction, Use, Maintenance and Inspection of Buildings."

Be it ordained by the City Council of the City of Cambridge as follows:

Section 12 of Division 3 is hereby amended by striking out the second sentence in the third paragraph and substituting in place thereof the following:

"The term accessory shall not include a use of an accessory building for business not customarily incidental to the building of which it is an accessory. The term accessory use shall not include the use of an accessory building which occupies a total floor area in excess of 25 per cent of the floor area of the largest one story of the building of which it is an accessory. The term accessory use shall not include the use of an accessory building which by reason of its appearance or by the use of such accessory building, causes the emission of odor, smoke, dust or noise which might be unreasonably detrimental to the residential character of the neighborhood."

Passed to be ordained, June 18, 1929.

Approved by the Mayor, June 21, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled "Duties and Salaries." Be it ordained by the City Council of the City of Cambridge as follows:

Section 13 of Chapter 28 of the Revised Ordinances of 1892 as amended to November 8, 1899 is hereby amended by striking out the word "three" in the first line and substituting in place thereof the word "five." As amended the section will read as follows:

Section 13. Every contract exceeding five hundred dollars for any work to be done for the city, or for any materials or supplies to be furnished the city, shall be accompanied by a suitable bond for the performance of the same, or by the deposit of money or security to the amount of such bond. No proposal shall be accepted from or for any person who shall have broken a contract with the city during the three years preceding. All written contracts shall be executed in triplicate, and one of said copies shall be deposited with the auditor.

Passed to be ordained, July 16, 1929.

Approved by the Mayor, July 19, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled: "Duties and Salaries." Be it ordained by the City Council of the City of Cambridge as follows:

Section 15 of Chapter 28 of the Revised Ordinances of 1892 as amended to November 8, 1899 is hereby amended by striking out the word "three" in the second line and substituting in place thereof the word "five." As amended the section will read as follows:

Section 15. In all cases where the amount of any contract shall exceed the sum of five hundred dollars, the contract shall be in writing; and, after being signed by the parties, no such contract shall be altered, in any particular, without the consent of the contractor, and of the board or officer making the contract, indorsed thereon. And all payments for extra work shall be made at the time of the final payment on such contract.

Passed to be ordained, July 16, 1929.

Approved by the Mayor, July 19, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled: "Duties and Salaries."
Be it ordained by the City Council of the City of Cambridge as follows:

Section 12 of Chapter 28 of the Revised Ordinances of 1892, as amended to November 8, 1899, as hereby amended by striking out the word "three" in the third line and substituting in place thereof the word "five." As amended the section will read as follows:

Section 12. No officer or board shall make any contract or purchase in behalf of the city, involving an expenditure of more than five hundred dollars, without advertising for proposals therefor, unless authorized by vote of two-thirds of the City Council.

Passed to be ordained, July 16, 1929.

Approved by the Mayor, July 19, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled "Duties and Salaries."
Be it ordained by the City Council of the City of Cambridge as follows:

Section 8 of Chapter 28 of the Revised Ordinances of 1892, as amended to November 8, 1899, is hereby amended by striking out the word "three" in the seventh line and substituting in place thereof the word "five." As amended the section will read as follows:

Section 8. The several boards and heads of departments shall have the general supervision and control of the appropriations made to meet the expenditures of their respective departments; provided, that no board or head of department, authorized to purchase materials or supplies, or to contract for labor to be performed, shall have the power to expend more than five hundred dollars for any one specific purpose, whether settlement for the same shall be made in one or more payments, unless it be first approved by the mayor. But nothing in this proviso shall be held to apply to the consumption of water or gas, nor to contracts made with such laborers or other persons as are ordinarily employed in the various departments, in the performance of the regular work or labor thereof, whether such contracts be by the day, month or year.

Passed to be ordained, July 16, 1929.

Approved by the Mayor, July 19, 1929.

AN ORDINANCE

In the Year One Thousand, Nine Hundred and Twenty-nine.
In amendment to an Ordinance entitled "Regulation of Traffic."
Be it ordained by the City Council of the City of Cambridge as follows:

Article V is hereby amended by adding the following:

Section 15. STOP BEFORE ENTERING THROUGH STREET.

The following streets and parts of streets are hereby declared to constitute through streets for the purpose of this section.

Massachusetts Avenue, from Waterhouse Street to the Arlington Line.

Every operator of a vehicle, street car or other conveyance traveling upon any street intersecting any through way above designated, shall bring such vehicle, street car or conveyance to a full stop at the place where such street meets the promulgation of the nearest property line of such through street, subject, however, to the direction of any traffic control sign or signal or any police officer at such intersection.

The operator of any vehicle who has come to a full stop as required above, upon entering the through street, as well as operators of vehicles on such through street, shall be subject to the usual right-of-way rule prescribed by law and applicable to vehicles at intersections.

The Traffic Board is hereby authorized and required to place and maintain or cause to be placed and maintained on each and every street intersecting a through street designated above, and at or near the property line of the through street, appropriate signs upon the street (and in addition thereto may place and maintain any appropriate devices or marks in the roadway) such signs, devices or marks to bear the word "Stop" and to be located in such position and to be provided with letters of a size to be clearly legible from a distance of at least one hundred feet along the street intersecting the through street. All such signs shall be illuminated at night or so placed as to be illuminated by street lights or by the headlights of approaching motor vehicles.

Section 16. MEANING OF COLORS: Colors in traffic control signals shall have the commands ascribed to them in this section, and no other meanings, and no driver of a vehicle shall fail to comply with said commands.

(1) RED: While the red lens is illuminated no driver of a vehicle facing the signal shall enter the intersection: (Provided, however, that if a right or left green arrow lens is illuminated at the same time, a driver may enter the intersection to make the turn permitted by the arrow).

(2) CHANGE: While the yellow lens is illuminated any waiting driver of a vehicle shall remain standing until the green lens is illuminated, and any driver of a vehicle approaching the intersection who can stop said vehicle with safety before reaching the intersection, or a marked stop line, shall stop at such point.

(3) GREEN: While the green lens is illuminated any driver of a vehicle facing the signal shall proceed, subject to the safety of those who may have been in the intersection at the time the lens was illuminated (and subject to special turning restrictions contained in paragraph (5) of this section).

(4) RED AND YELLOW: While the red and yellow lenses are illuminated together no driver of a vehicle shall enter the intersection and during such time the intersection is reserved for the exclusive use of pedestrians.

(5) GREEN ARROW LENS: When a special right or left turn green arrow lens is incorporated in a signal, drivers facing said signal shall make a turn in the direction of such arrow, only when such lens is illuminated.

(6) FLASHING RED: The red lens when illuminated with rapid intermittent flashes shall require drivers to come to a complete stop before entering the intersection. Such flashing red shall be used only in beacons and in traffic signals, when not operating as stop and go devices, to indicate the full stop required before entering a through way.

(7) FLASHING YELLOW: The yellow lens when illuminated with rapid intermittent flashes shall indicate the presence of danger and shall permit drivers to proceed only with caution.

Passed to be ordained, July 30, 1929.

Approved by the Mayor, August 1, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled "Construction, Use, Maintenance and Inspection of Buildings."

Be it ordained by the City Council of the City of Cambridge as follows:

The Zone Map accompanying ordinance adopted December 31, 1923, and approved January 7, 1924, entitled "Construction, Use, Maintenance and Inspection of Buildings" is hereby amended by establishing new lines and striking out the designation R-4 as shown on said Zone Map and substituting in place thereof new lines and the designation B-3 in so far as the said Zone Map relates to the following described parcel of land:

Beginning at a point in the northeasterly line of Concord Avenue ninety (90) feet more or less northwesterly from the northwesterly line of Fayerweather Street produced and extended to Concord Avenue, thence northeasterly along the division line between lots No. 75 and No. 76 on Assessors' Block Plan No. 262, one hundred (100) feet more or less to a corner, thence southeasterly along the division line between lots No. 75 and No. 74 and lot No. 73 on said Assessors' Plan, ninety (90) feet more or less to a corner in the northwesterly line of Fayerweather Street thence southwesterly along the said northwesterly line of Fayerweather Street eighty (80) feet to the tangent point of a curve, thence westerly along a curve of twenty (20) feet radius, thirty-one and four tenths (31.4) feet more or less to its other tangent point in the northeasterly line of Concord Avenue, thence northwesterly along the said northeasterly line of Concord Avenue seventy (70) feet more or less to the point of beginning. Containing eight thousand nine hundred fourteen (8,914) square feet more or less.

The above described parcel is shown on Assessors' Block Plan No. 262, Lots No. 74 and 75 on this date.

Passed to be ordained, November 19, 1929.

Approved by the Mayor, November 22, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled "Regulation of Traffic." Be it Ordained by the City Council of the City of Cambridge as follows:

Article VIII is hereby amended by adding the following section:

Cars parking on Eliot Street shall do so at an angle of forty-five (45) degrees."

Passed to be ordained, December 3, 1929.

Approved by the Mayor, December 6, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled "Regulation of Traffic."
Be it ordained by the City Council of the City of Cambridge as follows:

Article VIII is hereby amended by adding the following section:

No vehicle shall be permitted to park on the northerly side of Davenport Street.

Passed to be ordained, December 3, 1929.

Approved by the Mayor, December 6, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled "Regulation of Traffic."
Be it ordained by the City Council of the City of Cambridge as follows:

Article VIII is hereby amended by adding at the end thereof the following new section:

"No vehicle shall be permitted to park on Massachusetts Avenue, southwesterly side, between Norris Street and Cedar Street for more than one hour."

Passed to be ordained, December 3, 1929.

Approved by the Mayor, December 6, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled "Regulation of Traffic."
Be it ordained by the City Council of the City of Cambridge as follows:

Article V, Section 15 is hereby amended by including in the list of through streets the following:

CEDAR STREET

Passed to be ordained, December 3, 1929.

Approved by the Mayor, December 6, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled "Regulation of Traffic."
Be it ordained by the City Council of the City of Cambridge as follows:

Article VIII relative to restricted streets is hereby amended by striking out the following:

“No vehicle shall be permitted to park on the southerly side of Hudson Street” and substituting in place thereof the following:

“No vehicle shall be permitted to park on the northerly side of Hudson Street.”

Passed to be ordained, December 10, 1929.

Approved by the Mayor, December 13, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled “Regulation of Traffic.” Be it ordained by the City Council of the City of Cambridge as follows:

Section 1 of Article VII is hereby amended by including in the list of one-way streets the following:

“Hilliard Street, between Mt. Auburn Street and Brattle Street, in an easterly direction.”

Passed to be ordained, December 10, 1929.

Approved by the Mayor, December 13, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled “Regulation of Traffic.” Be it ordained by the City Council of the City of Cambridge as follows:

Article VIII is hereby amended by adding at the end thereof the following new section:

“No vehicle shall be permitted to park on the northerly side of Hilliard Street, between Mt. Auburn Street and Brattle Street.”

Passed to be ordained, December 10, 1929.

Approved by the Mayor, December 13, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled “Construction, Use, Maintenance and Inspection of Buildings.”

Be it ordained by the City Council of the City of Cambridge as follows:

Section 12 of Division 3, Paragraph 2 is hereby amended by striking out subdivision 4 which reads as follows:

“(4) Garages for not more than two motor vehicles and with

no space for commercial trucks" and substituting in place thereof the following:

"(4) Garages for not more than two motor vehicles and with no space for commercial trucks; except however in connection with and as a part of a hotel, multiple-dwelling or apartment hotel of first-class construction, garages for two or more motor vehicles with no space for commercial vehicles and no space for repair facilities, may be erected.

Provided: That said garages must be used only by persons living in the hotel or apartment hotel or multiple-dwelling; that no gasoline shall be stored outside of the tanks of the motor vehicles in the garage; that the management of the garage shall be in charge of the management of the hotel, apartment hotel or multiple-dwelling."

Passed to be ordained, December 10, 1929.

Approved by the Mayor, December 13, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled "Construction, Use, Maintenance and Inspection of Buildings."

Be it ordained by the City Council of the City of Cambridge as follows:

Section 15 of Division 3 is hereby amended by adding at the end thereof the following:

"Provided, however, that this section shall not restrict or abridge the provisions of Division 3, Section 12, Sub-division 4 of these ordinances."

Passed to be ordained, December 10, 1929.

Approved by the Mayor, December 13, 1929.

AN ORDINANCE

In amendment to an Ordinance entitled "Construction, Use, Maintenance and Inspection of Buildings."

Be it ordained by the City Council of the City of Cambridge as follows:

Section 10 of Division 3 is hereby amended by inserting in paragraph B — Public Buildings, after the word "stations" at the end of said paragraph the words "telephone exchange buildings."

As amended the paragraph will read as follows:

PUBLIC BUILDINGS

B. Libraries, museums, court houses, city halls, fire and police stations, railroad passenger stations, telephone exchange buildings.

Passed to be ordained, December 30, 1929.

Approved by the Mayor, January 2, 1930.

AN ORDINANCE

In amendment to an Ordinance entitled "Construction, Use, Maintenance and Inspection of Buildings."

Be it ordained by the City Council of the City of Cambridge as follows:

The Zone Map accompanying ordinance adopted December 31, 1923, and approved January 7, 1924, entitled "Construction, Use, Maintenance and Inspection of Buildings" is hereby amended by establishing new lines and striking out the designations R-1 and R-3 as shown on said Zone Map and substituting in place thereof new lines and the designation B-1 in so far as the said Zone Map relates to the following described parcel of land:

Beginning at a point in the northeasterly line of Massachusetts Avenue, one hundred and thirty-six hundredths (100.36) feet northwesterly from the northwesterly line of Chester Street, thence northwesterly along the said northeasterly line of Massachusetts Avenue forty-five and twenty-five hundredths (45.25) feet more or less to a corner, thence northeasterly along the division line between Lot 65 and Lots 36 and 35 on Assessors' Block Plan 182, one hundred forty-seven and twenty-five hundredths (147.25) feet more or less to a corner, thence southeasterly along the division line between Lot 65 and Lot 31 on said plan, forty-seven and eight hundredths (47.08) feet more or less to a corner, thence southwesterly along the division line between Lot 65 and Lot 32 on said plan, fifty-nine and seventeen hundredths (59.17) feet more or less to a corner, thence northwesterly along the division line between Lot 65 and Lot 74, on said plan, fifteen (15) feet more or less to a corner, thence southwesterly along the division line between Lot 65 and Lot 74, eighty-nine and eighty-three hundredths (89.83) feet more or less to the point of beginning.

Containing six thousand five hundred fifty-nine (6,559) square feet more or less.

The above described parcel of land is shown on Assessors' Block Plan No. 182, Lot No. 65 on file in the office of the Assessors of Cambridge, Mass.

Passed to be ordained, December 30, 1929.

Approved by the Mayor, January 2, 1930.

AN ORDINANCE

Establishing the Salary of the Mayor.

Be it ordained by the City Council of the City of Cambridge as follows:

The Mayor of the City of Cambridge shall receive for his services an annual salary of Seventy-five Hundred Dollars (\$7,500) from the first Monday in January, 1930, and he shall receive no other compensation from the city.

In City Council, Special Meeting, December 30, 1929. Pursuant to the provisions of Section 22 of City Charter the aforesaid ordinance was passed to be ordained by a yea and nay vote:

Yeas 14; Nays 0; Absent 1.

TIMOTHY F. MURPHY,
President.

Executive Department, December 31, 1929.

Approved, EDWARD W. QUINN,
Mayor.

A true copy,

Attest:

(4)

FREDERICK H. BURKE,
City Clerk.

AN ORDINANCE

In amendment to an Ordinance entitled "Regulation of Traffic." Be it ordained by the City Council of the City of Cambridge as follows:

Section 1 of Article VII relative to one-way streets is hereby amended by striking out the following:

Brookline Street, from Green Street to Massachusetts Avenue in a northerly direction.

Passed to be ordained, February 18, 1930.

Approved by the Mayor, February 24, 1930.

AN ORDINANCE

In amendment to an Ordinance entitled "Regulation of Traffic."
Be it ordained by the City Council of the City of Cambridge as follows:

Section 1 of Article VII is hereby amended by including in the list of one-way streets the following:

Larch Road, from Huron Avenue to Wyeth Terrace, in a northerly direction.

Passed to be ordained, February 18, 1930.

Approved by the Mayor, February 24, 1930.

AN ORDINANCE

In amendment to an Ordinance entitled "Construction, Use, Maintenance and Inspection of Buildings."

Be it ordained by the City Council of the City of Cambridge as follows:

The Zone Map accompanying ordinance adopted December 31, 1923, and approved January 7, 1924, entitled "Construction, Use, Maintenance and Inspection of Buildings" is hereby amended by establishing new lines and striking out the designations R-3 and U-2 as shown on said Zone Map and substituting in place thereof new lines and the designation B-2 in so far as the said Zone Map relates to the following described land:

Beginning at a point on the center line of Brookline Street one hundred (100) feet north of the northerly side of Memorial Drive, thence along said center line to its intersection with the center line of Henry Street, thence easterly along the center line of Henry Street and the same line extended to its intersection with the center line of Vassar Street, thence easterly along the center line of Vassar Street to its intersection with the center line of Amesbury Street, thence southerly along the center line of Amesbury Street to a point one hundred (100) feet north of the northerly side of Memorial Drive, thence westerly along a line one hundred (100) feet north of the northerly side of Memorial Drive to the point of beginning.

Passed to be ordained, February 18, 1930.

Approved by the Mayor, February 24, 1930.

AN ORDINANCE

In amendment to an Ordinance entitled "Auditing."

Be it ordained by the City Council of the City of Cambridge as follows:

Chapter 4 of the Revised Ordinances of 1892 of the City of Cambridge as amended to November 8, 1899, is hereby amended by inserting after Section 11, the following section:

Section A. Annually at the expiration of the fiscal year the Mayor shall cause an audit of the accounts of the City to be made.

Passed to be ordained, March 18, 1930.

Approved by the Mayor, March 22, 1930.

AN ORDINANCE

In amendment to an Ordinance entitled "Construction, Use, Maintenance and Inspection of Buildings."

Be it ordained by the City Council of the City of Cambridge as follows:

The Zone Map accompanying ordinance adopted December 31, 1923, and approved January 7, 1924, entitled:

"Construction, Use, Maintenance and Inspection of Buildings" is hereby amended by establishing new lines and striking out the designation R-3 as shown on said Zone Map and substituting in place thereof new lines and the designation B-3 in so far as the said Zone Map relates to the following described parcel of land:

Beginning at a point in the westerly line of a passageway one hundred (100) feet southerly from its intersection with the southerly line of River Street, said point being distant easterly two hundred eleven and twenty-three hundredths (211.23) feet from the intersection of the east line of Memorial Drive and the south line of River Street, thence running easterly parallel to and one hundred (100) feet distant southerly from the south line of River Street seventy-one and three tenths (71.3) feet to a corner, thence turning and running southerly one hundred eighty-seven and thirteen hundredths (187.13) feet to a corner, thence turning and running southwesterly eighty-one and four-tenths (81.4) feet to a corner, thence turning and running northerly along the northeasterly line of said passageway two hundred twenty-two

(222.0) feet to a corner at the point of beginning. Containing fourteen thousand five hundred and seventy (14,570) square feet more or less.

The above described parcel of land is shown upon accompanying plan entitled "Plan of Land in Cambridge, Mass., belonging to Adeline C. Conway dated February, 1930, and drawn by Donald J. Reardon, C. E."

Passed to be ordained, March 18, 1930.

Approved by the Mayor, March 22, 1930.

AN ORDINANCE

In amendment to an Ordinance entitled "Sale of Goods, Wares and Merchandise in the Public Ways."

Be it ordained by the City Council of the City of Cambridge as follows:

Section 2 of Chapter 58 of the Revised Ordinances of 1892, as amended to November 8, 1899, is hereby amended by striking out said section and inserting in place thereof the following:

Section 2. No person shall hawk or peddle any of the articles enumerated in Section 15 of Chapter 65 of the Revised Laws as amended by Section 17 of Chapter 101 of the General Laws and further amended by Section 3 of Chapter 349 of the Acts of 1929, to wit: Newspapers, ice, flowering plants, and such flowers, fruits, nuts, and berries as are wild or uncultivated until he shall have obtained a permit and badge from the Board of License Commissioners. No fee shall be charged for the permit, but a charge of seventy-five cents (\$0.75) shall be made for the badge.

The Board of License Commissioners may grant a license to hawk and peddle meats, butter, cheese, fish and fresh fruits or vegetables to a resident of the City of Cambridge who is of good repute as to morals and integrity and who is, or has declared his intention to become, a citizen of the United States. The fee for said license shall be five dollars (\$5.00). This section shall not apply to any person who is not a resident of said City and who now holds a license. Nothing in this section shall be construed so as to prevent the renewal of a license held by a non-resident on the date when this section takes effect.

Passed to be ordained, March 18, 1930.

Approved by the Mayor, March 22, 1930.

MAYORS OF THE CITY OF CAMBRIDGE

(From 1846 to 1929 inclusive)

James D. Green	May,	1846, to April,	1848
Sydney Willard	April,	1848, to April,	1851
George Stevens	April,	1851, to April,	1853
James D. Green	April,	1853, to April,	1854
*Abraham Edwards	April,	1854, to January,	1855
Zebina L. Raymond	January,	1855, to January,	1856
John Sargent	January,	1856, to January,	1860
†James D. Green	January,	1860, to July 24,	1861
§Charles Theodore Russell	July 31,	1861, to January,	1863
George C. Richardson	January,	1863, to January,	1864
Zebina L. Raymond	January,	1864, to January,	1865
J. Warren Merrill	January,	1865, to January,	1867
Ezra Parmenter	January,	1867, to January,	1868
Charles H. Saunders	January,	1868, to January,	1870
Hamlin R. Harding	January,	1870, to January,	1872
Henry O. Houghton	January,	1872, to January,	1873
Isaac Bradford	January,	1873, to January,	1877
Frank A. Allen	January,	1877, to January,	1878
Samuel L. Montague	January,	1878, to January,	1880
James M. W. Hall	January,	1880, to January,	1881
James A. Fox	January,	1881, to January,	1885
William E. Russell	January,	1885, to January,	1889
Henry H. Gilmore	January,	1889, to January,	1891
Alpheus B. Alger	January,	1891, to January,	1893
William A. Bancroft	January,	1893, to January,	1897
Alvin F. Sortwell	January,	1897, to January,	1899
Edgar R. Champlin	January,	1899, to January,	1901
David T. Dickinson	January,	1901, to January,	1902
John H. H. McNamee	January,	1902, to January,	1904
Augustine J. Daly	January,	1904, to January,	1906
Charles H. Thurston	January,	1906, to January,	1907
Walter C. Wardwell	January,	1907, to April,	1909
William F. Brooks	April,	1909, to April,	1911
J. Edward Barry	April,	1911, to April,	1914
Timothy W. Good	April,	1914, to Dec.	1915
Wendell D. Rockwood	January,	1916, to January,	1918
Edward W. Quinn	January,	1918, to January,	1930
Richard M. Russell	January,	1930, to	

* Municipal year changed.

† Resigned.

§ First elected by the City Council.

PRESIDENTS OF THE BOARD OF ALDERMEN

1888	*Edward W. Hincks	1903	†John W. Coveney
1889	*John H. Corcoran	1903	Timothy W. Good
1890	*Alvin F. Sortwell	1904	†John W. Coveney
1891	*William A. Bancroft	1905	J. Edward Barry
1892	*William A. Bancroft	1906	*Charles H. Lake
1893	John F. Fairbairn	1907	*Charles H. Lake
1894	*John G. Thorogood	1908	Edward B. James
1895	John F. Fairbairn	1909	Edward B. James
1896	John F. Fairbairn	1910	Edward B. James
1897	Russell Bradford	1911	James T. Barrett
1898	Russell Bradford	1912	James T. Barrett
1899	Walter C. Wardwell	1913	Peter J. Nelligan
1900	Walter C. Wardwell	1914	Peter J. Nelligan
1901	George E. Saunders	1915	Peter J. Nelligan
1902	James F. Aylward		

*Deceased.

† John W. Coveney resigned March 10, 1903, and Timothy W. Good elected to the vacancy.

PRESIDENTS OF THE CITY COUNCIL

1916	Edward J. Dunphy	1924	James T. Barrett
1917	Edward J. Dunphy	1925	†John J. McCarthy
1918	*Dr. John P. Good	1926	†John J. McCarthy
1919	James T. Barrett	1926	Timothy F. Murphy
1920	James T. Barrett	1927	Timothy F. Murphy
1921	James T. Barrett	1928	Timothy F. Murphy
1922	James T. Barrett	1929	Timothy F. Murphy
1923	James T. Barrett	1930	Joseph M. Stokes

*Deceased.

† John J. McCarthy died on October 30, 1926, and on November 9, 1926, Timothy F. Murphy was elected to the vacancy.

PRESIDENTS OF THE COMMON COUNCIL

1846	*Isaac Livermore	1873	*Alvaro Blodgett Resigned June 17
1847	*John Sargent	1873	*Francis H. Whitman Elected June 17
1848	*John C. Dodge	1874	*George F. Piper
1849	*Samuel P. Heywood	1875	*George F. Piper
1850	*Samuel P. Heywood	1876	*Frank A. Allen
1851	*John S. Ladd	1877	*Perez G. Porter
1852	*John Sargent	1878	*George S. Saunders
1853	*John Sargent	1879	*George S. Saunders
1854	*John C. Dodge	1880	*Charles Walker
1855	*Alanson Bigelow	1881	*Charles Walker
1856	*Ezra Ripley. Resigned January 31	1882	*George H. Howard
1856	*George S. Saunders Elected January 31	1883	*George H. Howard
1857	*George S. Saunders	1884	*George H. Howard
1858	*James C. Fisk	1885	*Cornelius G. H. Bennink
1859	*James C. Fisk	1886	John H. Corcoran
1860	*Hamlin R. Harding	1887	John H. Corcoran
1861	*Hamlin R. Harding	1888	*Alvin F. Sortwell
1862	*Jared Shepard Resigned September 17	1889	*Edward A. Bingham
1862	*Knowlton S. Chaffee Elected September 24	1890	*Edward A. Bingham
1863	*George S. Saunders	1891	*Edward C. Wheeler
1864	*George S. Saunders	1892	Herbert A. Chase
1865	*John S. March	1893	J. Henry Russell
1866	*John S. March	1894	Charles M. Conant
1867	*Marshall T. Bigelow	1895	*John L. Odiorne
1868	*Knowlton S. Chaffee Resigned February 4	1896	*John L. Odiorne
1868	*Henry W. Muzzey Elected February 4	1897	*Albert S. Apsey
1869	*Henry W. Muzzey	1898	George S. Saunders
1870	*Joseph H. Converse	1899	*William F. Brooks
1871	*Joseph H. Converse	1900	John D. Merrill
1872	*Alvaro Blodgett	1901	John D. Merrill
		1902	*Thorndike Spalding
		1903	Edward E. Clark
		1904	*Harry N. Stearns
		1905	George A. Giles

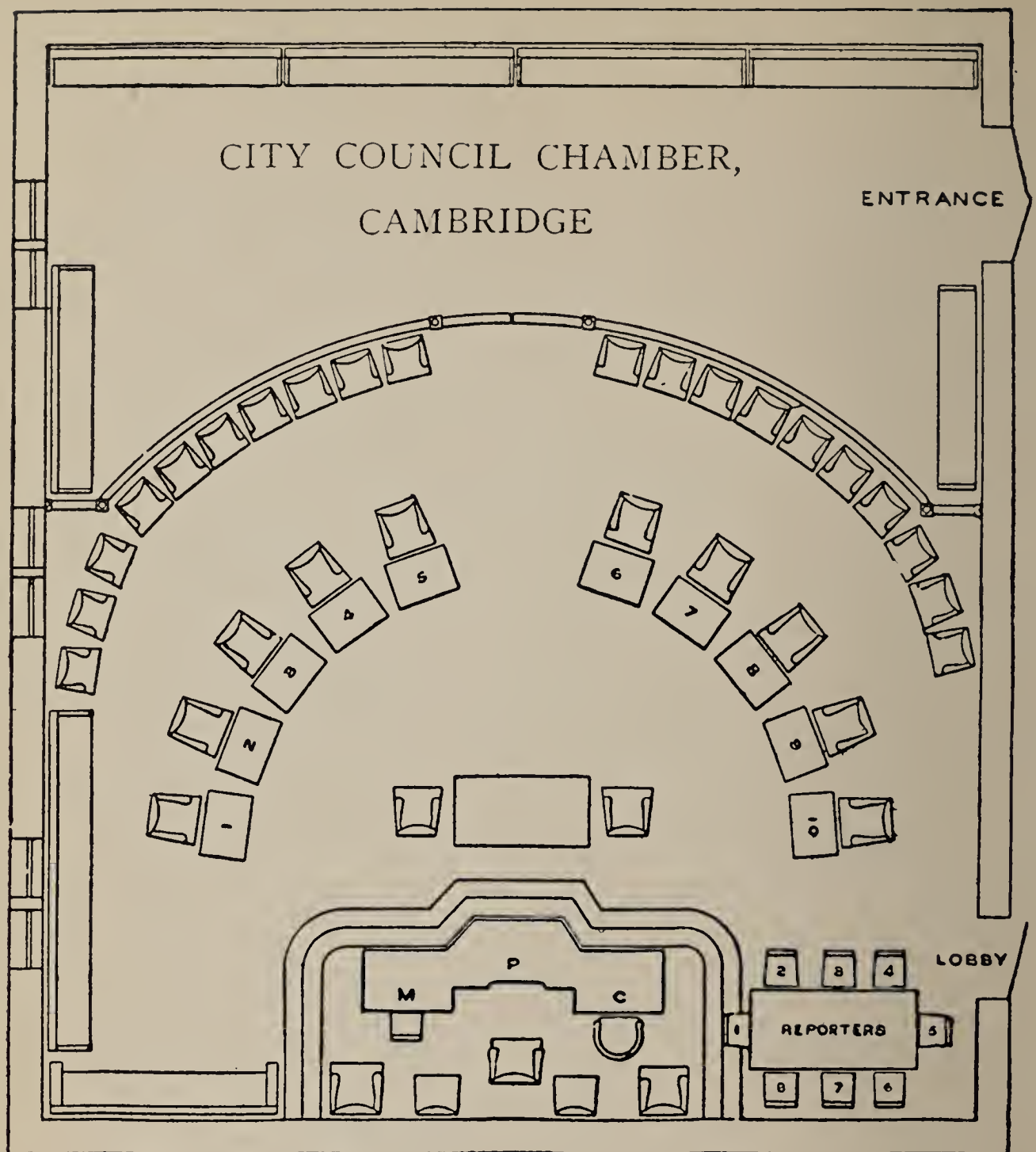
1906	George A. Giles	1911	Frederick H. Burke
1907	*Henry C. Stetson	1912	Timothy J. Horan
1907	†Robert W. Hunter	1913	*John H. Lynch
1908	Henry J. Winslow	1914	Frank J. Lehan
1909	Jesse W. Moreland	1915	Arthur S. Browne
1910	Irving N. Linnell		

* Deceased.

† Elected to fill vacancy.

LEGAL HOLIDAYS

New Year's Day, January 1. Washington's Birthday, February 22. Patriot's Day, April 19. Memorial Day, May 30. Independence Day, July 4. Labor Day, September 1. Columbus Day, October 12. Armistice Day, November 11. Thanksgiving Day, November 27. Christmas Day, December 25.



KEY TO CITY COUNCIL CHAMBER Cambridge, 1930

P.—JOSEPH M. STOKES, President

- | | |
|----------------------------|----------------------------|
| 1. Councillor Delaney | 8. Councillor O'Connor |
| 2. Councillor Gibson | 9. Councillor T. F. Murphy |
| 3. Councillor D. J. Murphy | 10. Councillor Hughes |
| 4. Councillor Shea | 11. Councillor Mohr |
| 5. Councillor Leahy | 12. Councillor Wyeth |
| 6. Councillor Crowley | 13. Councillor Cazmay |
| 7. Councillor Sennott | 14. Councillor Coady |

Reporters

- | | |
|---|--|
| 1. James W. Bean, Cambridge Chronicle | 5. William A. Wheaton, Boston American |
| 2. John J. McGillicuddy, Cambridge Sentinel | 6. Stanley W. Howard, Boston Globe |
| 3. James H. Murphy, Cambridge Recorder | 7. William A. Callahan, Boston Globe |
| 4. Eliza L. Carleton, Cambridge Tribune | 8. Roger W. Remington, Boston Post |
| | 9. George W. Murphy, Boston Herald |

CITY GOVERNMENT

Mayor

RICHARD M. RUSSELL

16 Highland Street

Councillors

JOSEPH M. STOKES, *President*

N. Russell Cazmay, 8 Plympton Street.....	Ward 7
Francis D. Coady, 64 Willow Street	Ward 1
Joseph L. Crowley, 175 Larch Road.....	Ward 9
Patrick J. Delaney, 42 Amory Street.....	Ward 3
Thomas F. Gibson, 24 Walden Street	Ward 10
Edward A. Hughes, 119 Brookline Street	Ward 5
Daniel P. Leahy, 5 Rindgefield Street.....	At Large
Harry C. Mohr, 6 Centre Street.....	Ward 4
Daniel J. Murphy, 167 Windsor Street.....	Ward 2
Timothy F. Murphy, 4A Mt. Auburn Street.....	Ward 6
Jeremiah J. O'Connor, 9 Fairfield Street.....	Ward 11
Edward J. Sennott, 366 Broadway.....	At Large
Charles H. Shea, 20 McCarthy Road	At Large
Joseph M. Stokes, 83 Grozier Road.....	At Large
Benjamin F. Wyeth, 12 Hawthorn Street.....	Ward 8

OFFICERS OF THE CITY COUNCIL

City Clerk

FREDERICK H. BURKE

Clerk of Committees

DANIEL J. TOOMEY

City Messenger

A. FRANK MONTGOMERY

Regular meetings on Tuesday evenings, at eight (8) o'clock

DEPARTMENTS AND BOARDS

City Hall Telephone, 6800 University

EXECUTIVE DEPARTMENT

RICHARD M. RUSSELL, *Mayor*

EDWARD A. COUNIHAN, *Mayor's Clerk*

LOUISE M. KELLEY, *Mayor's Secretary*

Office Hours: 8 a.m. to 4 p.m.

Office, Rooms 17 and 18, City Hall

CITY CLERK DEPARTMENT

FREDERICK H. BURKE, *City Clerk*

THOMAS J. CONRICK, *Assistant City Clerk*

Office Hours: 8 a.m. to 4 p.m.

Office, Rooms 8 and 9, City Hall

TREASURY DEPARTMENT

HENRY F. LEHAN, *City Treasurer and Collector of Taxes*

Office Hours: 8 a.m. to 2 p.m.

Office, Rooms 3 and 4, City Hall

AUDITING DEPARTMENT

JOHN J. MCKENZIE, *City Auditor*

Office Hours: 8 a.m. to 4 p.m.

Office, Rooms 1 and 2, City Hall

CLERK OF COMMITTEES DEPARTMENT

DANIEL J. TOOMEY, *Clerk of Committees*

ALBERT T. DOYLE, *Assistant*

Office Hours: 8 a.m. to 4 p.m.

Office, Room 16, City Hall

CITY MESSENGER DEPARTMENT

A. FRANK MONTGOMERY, *City Messenger*HENRY P. CONROY, *Assistant*

Office Hours: 8 a.m. to 4 p.m.

Office, Room 20, City Hall

LAW DEPARTMENT

RICHARD C. EVARTS, *City Solicitor*JOHN J. MAHONEY, *Law Clerk*

Office Hours (at City Hall): 8 a.m. to 12 m.

Office, Room 17, City Hall

Boston Office, 75 Federal Street

Telephone 6655, Hubbard

ENGINEERING DEPARTMENT

LEWIS M. HASTINGS, *City Engineer*THOMAS P. O'NEILL, *Superintendent of Sewers*

Office Hours: 8 a.m. to 4 p.m.

Office, Rooms 30 and 31, City Hall

BUILDING DEPARTMENT

JOHN J. TERRY, *Superintendent of Public Buildings and
Inspector of Buildings*JAMES E. CURRY, *Zoning Consultant and Counter Clerk**Building Inspectors* { WILLIAM D. COLLINS
C. EDWIN O'BRIENWILLIAM A. FORD, *Inspector of Plumbing*WILLIAM J. STANGER, *Inspector of Gas Fitting*DANIEL F. OWENS, *Inspector of Elevators*

Office Hours: 8 a.m. to 4 p.m.

Office, Room 28, City Hall

STREET DEPARTMENT

WILLIAM R. McMENIMEN, *Superintendent of Streets*JOHN H. HOLT, *Clerk*

Office Hours: 8 a.m. to 4 p.m.

Office, Room 12, City Hall

HEALTH DEPARTMENT

Board of Health

JOSEPH M. WADDEN, M.D., <i>Chairman</i>	Term, three years
JOSEPH M. WADDEN, M.D.	Term expires 1931
ELIE H. LA PIERRE	Term expires 1932
DAVID T. NELLIGAN	Term expires 1933

Medical Inspector and Superintendent of Tuberculosis Hospital

SIMON B. KELLEHER, M.D.

JOHN D. CROWLEY, *Clerk*

WALTER C. FEELEY, M.D., *Bacteriologist*

ROBERT E. BEMIS, Ph.C., *Inspector of Milk and Vinegar*

JOSEPH L. JOHNSON, *Inspector of Provisions*

Office Hours: 8 a.m. to 4 p.m.

Rooms 25, 26 and 27, City Hall

POLICE DEPARTMENT

JOHN J. McBRIDE, *Chief*

Telephone, University 9800

FIRE DEPARTMENT

JAMES M. CASEY

Telephone, University 0109

ASSESSORS' DEPARTMENT

BERNARD F. FALLON, <i>Secretary</i>	JOHN C. HAVERTY, <i>Chairman</i>
Term, four years	

BERNARD F. FALLON	Term expires 1931
JOHN C. HAVERTY	Term expires 1931
JAMES J. CASEY	Term expires 1933

CARRIE A. ESTES, RUTH E. MCGUIGAN, LORETTA F. CROWE
MARGARET SHEA, *Clerks*

Office Hours: 8 a.m. to 4 p.m.

Office, Rooms 21 and 22, City Hall

CITY ELECTRICAL DEPARTMENT

TIMOTHY C. O'HEARN, *City Electrician*
JAMES H. McALLISTER, *Assistant City Electrician*

Office Hours: 8 a.m. to 4 p.m.
Office, Central Fire Alarm, Inman Square Building
Telephone University 125

INSPECTOR OF ANIMALS DEPARTMENT

DAVID L. BOLGER, M.D.V., *Inspector of Animals*
Residence, 159 Mt. Auburn Street Telephone University 3550
(No Office or Hours)

BRIDGE DEPARTMENT

WILLIAM R. McMENIMEN, *Bridge Commissioner*

Office Hours: 8 a.m. to 4 p.m.
Office, Room 12, City Hall

SEALER OF WEIGHTS AND MEASURES DEPARTMENT

FELIX C. McBRIDE, *Sealer*
JOSEPH M. O'NEIL, *First Deputy Sealer and Inspector*
JAMES J. LYNCH and EDWARD W. BARKER, *Deputy Sealers*

Office Hours: Fridays, 8 a.m. to 4 p.m.
Saturdays, 8 a.m. to 12 m.

Office, Brattle Square Building Telephone University 9483-W

CITY PHYSICIAN

WILLIAM G. BROUSSEAU

Residence, 2343 Massachusetts Avenue Telephone Porter 1285
Office, Central Square Building
Office Hours: Daily, 9 to 11 a.m.
Telephone University 9850-51

FENCE VIEWERS

LEWIS M. HASTINGS, City Hall

JOHN J. TERRY, City Hall

CAMBRIDGE PLANNING BOARD

JEREMIAH F. DOWNEY, *Chairman*

CHARLES W. KILLAM	Term expires 1930
MELVILLE FULLER WESTON	Term expires 1931
JOHN H. CORCORAN	Term expires 1932
JEREMIAH F. DOWNEY	Term expires 1933
GEORGE L. DOW	Term expires 1934

SCHOOL COMMITTEE

Mayor RICHARD M. RUSSELL, *Chairman*RAYMOND A. FITZGERALD, *Vice-Chairman*

CHARLES F. HURLEY, 5 Chauncey Terrace	Term expires 1931
EDMUND J. MCGREENERY, 164 Brattle Street	Term expires 1931
RUSSELL A. WOOD, 9 Whittier Street	Term expires 1931
MRS. JESSIE W. BROOKS, 10 Linnaean Street	Term expires 1933
RAYMOND A. FITZGERALD, 1 Leonard Avenue	Term expires 1933
JOHN D. LYNCH, 20 Fairfield Street	Term expires 1933

HELEN R. BROSDAHAN, *Secretary**Business Agent*

CONSTANTINE J. CHURCH

Superintendent of Schools

MICHAEL E. FITZGERALD

Assistant Superintendent and Director of Continuation School

JAMES DUGAN

Superintendent of School Buildings and Grounds

JOHN J. ROACH

Office Hours: 8 a.m. to 4 p.m.
Office, Rooms 15 and 24, City Hall

CITY HOSPITAL DEPARTMENT

*Trustees of Cambridge City Hospital*CHARLES S. CAHILL, *Chairman*

FRANK F. ROGERS	Term expires 1930
JOHN J. QUINLAN	Term expires 1931
CHARLES S. CAHILL	Term expires 1932
JOHN H. HURLEY	Term expires 1933

CEMETERY DEPARTMENT

*Cemetery Commissioners*LAWRENCE E. SULLIVAN, *Chairman*

Term, Three Years

CHARLES E. GORDON	Term expires 1929
LORETTO ABITABILE	Term expires 1930
JEREMIAH J. SULLIVAN	Term expires 1931
LAWRENCE E. SULLIVAN	Term expires 1931
MRS. AGNES FAY	Term expires 1932
DR. CORNELIUS T. O'CONNOR	Term expires 1933

Clerk of the Board

EDWARD F. SULLIVAN

Office, Room 23, City Hall

Superintendent of the Cemetery

THOMAS J. CAVANAGH

Clerk of the Cemetery

GREGORY L. GALLAGHER

Office Hours: at Cemetery, 8 a.m. to 5 p.m.

Office at Cemetery on Coolidge Avenue

Telephone University 5

*Person to cause to be Properly Interred the Bodies of Soldiers
and Sailors*

EDWARD F. SULLIVAN

Office, Room 23, City Hall

PUBLIC LIBRARY DEPARTMENT

*Trustees of Cambridge Public Library*EDWARD REDSTONE, *President*

For One Year

RUSSELL A. WOOD of the School Committee

Citizens at Large, Terms, Three Years

ROBERT W. YOUNG	Term expires 1930
EDWARD P. COLLIER	Term expires 1930
THOMAS F. O'MALLEY	Term expires 1931
EDWARD REDSTONE	Term expires 1931
RICHARD J. COSTELLO, M.D.	Term expires 1932
JULIA T. BOYLE	Term expires 1932

JULIA T. BOYLE, *Secretary* ROBERT W. YOUNG, *Treasurer*
 THOMAS J. SULLIVAN, *Librarian*

Library open: 9 a.m. to 9 p.m. Reading Room: 9 a.m. to 9 p.m.
 Sunday, 2 to 9 p.m.

Office at Library Building, Broadway, Irving and
 Trowbridge Streets

Telephone University 610

WATER WORKS DEPARTMENT

*Cambridge Water Board*MARTIN A. FEELEY, *President*

Term, Five Years

JAMES J. SCULLY	Term expires 1930
HENRY L. SKELLEY	Term expires 1931
HOWARD M. TURNER	Term expires 1932
MARTIN A. FEELEY	Term expires 1933
GEORGE F. MCINNES	Term expires 1934

TIMOTHY W. GOOD, *Superintendent of Water Works*HARRY L. LINCOLN, *Chief Clerk*

Office Hours: 8 a.m. to 4 p.m.
 Office, Rooms 5 and 6, City Hall

CITY OF CAMBRIDGE
MASSACHUSETTS

ANNUAL REPORT
OF THE
SCHOOL COMMITTEE
AND THE
SUPERINTENDENT OF SCHOOLS
1929



PRINTED FOR THE DEPARTMENT

SCHOOL COMMITTEE

FROM JANUARY 1, 1930, TO JANUARY 1, 1931

Hon. RICHARD M. RUSSELL *Chairman*

Mr. RAYMOND A. FITZGERALD *Vice-Chairman*

Mrs. JESSIE W. BROOKS, 10 Linnæan Street

Mr. RAYMOND A. FITZGERALD, 1 Leonard Avenue

Mr. CHARLES F. HURLEY, 57 Fresh Pond Lane

Mr. JOHN D. LYNCH, 20 Fairfield Street

Mr. EDMUND J. MCGREENERY, 164 Brattle Street

Mr. RUSSELL A. WOOD, 11 Whittier Street

In Memoriam

ELLA R. AVERY

Appointed teacher, April 1881

Died, February 1930

SELMA E. BERTHOLD

Appointed kindergartner, September 1889

Died, April 1930

MARIE A. BRANDON

Appointed teacher, September 1920

Died, January 1930

GEORGE F. ODENWALD

Appointed teacher, October 1921

Died, February 1930

NELLIE A. KERRIGAN

Appointed teacher, October 1904

Died, December 1929

ELIZA S. PADDOCK

Appointed teacher, September 1880

Died, December 1929

EMILY R. PITKIN

Appointed teacher, November 1872

Died, March 1930

ANNIE A. TRELEGAN

Appointed teacher, December 1891

Died, September 1929

ANNUAL REPORT OF SUPERINTENDENT

I herewith submit my eighteenth annual report, which is the sixty-second in the series of annual reports by the superintendents and the ninetieth of the printed reports of the School Committee of Cambridge:

The School Committee of 1912, after an extensive and critical survey of the school buildings, proposed that one modern building be constructed bi-annually to replace the badly ventilated, unsanitary structures of the last century. This project, approved by the vote of each succeeding School Board, but interrupted by the emergency of the World War, has been carried, by the work of this year, near to completion. At the end of the present year, with the abandonment of the Merrill and the Felton Schools, at the opening of the new Longfellow School, all but one of the condemned buildings will have been replaced. The Gannett School alone remains to be provided for.

The present Committee is constructing plans for a new Rindge Technical School. When these plans shall be accomplished, Cambridge may be as proud of its school buildings as of its teaching force, and may rejoice in the fact that all the necessary outlay has been made without financially overburdening the citizens.

HOME INSTRUCTION

Cambridge has employed, at the present time, three teachers who supervise the home instruction of thirty crippled children, whose ages range from seven to eighteen years. The School Department firmly believes that the happiness and advancement of these pupils, and the gratitude of their parents, makes the continuance of this work very desirable.

SUMMER DAY CAMPS

Cambridge has four summer camps. These camps are maintained for anaemic or crippled children, and for children who have cardiac weaknesses. They are not ordinary summer schools, and the expense of their maintenance can be and has been questioned. Their purpose is health improvement through rest and supervised

recreation, healthful food and health habits. I believe that the money spent on this work is eventually saved. The work has been carried on for eighteen years without the loss of a single child. These camps, bringing health and happiness to handicapped children, helping them to grow into manhood and womanhood with strong bodies, preparing them for healthy citizenship, are their own justification. They deserve the commendation of the public.

SPECIAL CLASSES

The special classes are conducted with the end in view of providing every child with the kind of education and training he is best fitted to receive. If a child is handicapped physically or mentally, our responsibility does not cease; it increases. Unfavorable comments on this work come often from those people who do not realize that most of our special classes are organized in accordance with state laws.

CLINIC

A clinic for deformed and crippled children is established at the high school building. The work is in charge of experienced and well-trained teachers, under the direction of the eminent specialist, Dr. Godvin, and the Department of Physical Education. The School Board and the superintendent confidently call this work to the attention of the citizens of Cambridge. A visit to the clinic, or to any of the special classes, will convince the most prejudiced observer that here the city's money is being well invested.

I take this opportunity to thank the members of the Board for their advice, encouragement and support.

Respectfully submitted,

M. E. FITZGERALD,
Superintendent of Schools.

Ordered, That the report of the superintendent be accepted and adopted as the report of the School Committee for 1929.

HELEN R. BROSNAHAN,
Cambridge, Massachusetts. *Secretary.*

REPORT OF THE HIGH AND LATIN SCHOOL

To the Superintendent of Schools:

I hereby submit my report of the High and Latin School for the year 1929:

The following tables graphically represent some facts of considerable interest. Table I shows that the registration of the past five years has varied very little, a fact suggesting three thousand as a probable maximum for some time. Table II gives the present registration by classes. Table III shows how many in the three lower classes did not return this year — 699 of the 2309 registered. Of that 699, 318 had left during the year, and Table IV shows reasons for their leaving, in so far as known. During the freshman and sophomore years, many reach the age where the law permits them to leave. Too many are merely marking time until such day arrives, and go at once. Table V is a picture of the present year. An extra effort has been made to get the cause of any pupil's leaving. Before the end of the year the figures will be more nearly complete than now, and the 55 will be accounted for. The loss in the whole school is about five per cent.

A very definite effort has been made to locate the graduates of last year, and Table VI shows the result of that effort up to date. Is it possible to arouse in the group leaving school a desire to remain? In many cases it is, but in others probably not. Some young people chafe under the restraints of school life, however reasonable and sympathetic those restraints may be. They wish to feel grown up, to earn their own money and spend it, to direct their own lives. If they were given the desired freedom in school, the result would not be an increased interest on their part but rather a chaos for all. Going to school and getting an education are not necessarily synonymous terms. When a boy has grown up, finds no interest in study, neglects his work, and loafs his time away, remaining in school develops habits which will be fatal to later success unless corrected. Undoubtedly schools can do more than they have for this boy by curricular changes. They are endeavoring to meet the problem as rapidly as the way appears.

The work of the secondary school is made increasingly difficult by the addition of tasks it is not fitted to perform satisfactorily. The home, and the home only, can do well certain things necessary to the proper education of youth — the church can do others. If the school is asked to take over such duties it

can at best do them very imperfectly. Some say that the home is sadly failing to meet its own individual responsibility and therefore the schools must make good the loss. This may be true in some degree, but why accept the fact as final? Why not throw our energies, by precept and by example, into the restoring of a wholesome home influence? A school is an institution which by its very nature can never do what parents can. The parent who surrenders his own responsibilities as a parent is usually unable to support the school well in its effort. The school has a boy five hours a day for one hundred ninety days in the year, about one-third of his waking hours on school days only. If a whole year is considered and nine hours are allowed for sleep, the school has less than one-fifth of the remaining hours. How can the school accomplish what all of us desire unless the influences of the four-fifths are in general harmony with those of the one-fifth? This is written in no spirit of trying to shirk responsibility, but in an endeavor to express graphically the immensity and the difficulty of the educational problem. The youths are essentially sound at heart and ambitious to make good. If in some way they can be given conditions both in school and out of school favorable to the carrying out of their ambitions, they will respond. They need guidance, guidance based on genuine interest in them, but guidance that is both sympathetic and firm.

At present there is no way of effectually safeguarding one against possible loss of property in the school building. Very few parents can afford such loss, no parent likes it, however well-to-do he may be, and all should receive the best possible protection against it. Providing each pupil with a locker would give him security for his property. His protection would then depend upon the care he exercised with his own locker. Considering the numbers in the school the losses are very few, but that fact is small comfort to the unfortunate few. Would it not be wise to have a survey of the building made as to possible location of lockers and cost of installing same? I hope you will give this matter your very serious consideration.

During the past year a room in the public library has been given over to school use. Books have been provided for the professional reading of the teachers and others for reference work on the part of pupils. A librarian is in charge who can direct and assist the pupils in their reading. It is also an excellent thing for

teachers to have access to books which will keep them abreast of the latest thought in their profession. The use of the room is being worked out with a good deal of care in order to avoid abuses which could easily arise. This library room should become an increasingly valuable adjunct to the school.

Last spring the School Board made a rule which forbade pupils leaving the grounds at recess. Experience of the present school year has more than justified the wisdom of its enactment. There were a number of very serious objections to allowing pupils to leave the grounds during school hours, especially at recess — objections that could be well met in no other way than that used by the School Board. Those objections are very familiar to you, and need no repetition. This rule is common in high schools, and its desirability quite generally recognized.

Last year's report laid considerable emphasis on the value of the visual education. Here lies a great field for productive work. The class of 1929 gave the school about \$200 for the purchase of materials for visual instruction. Some has already been applied to securing photographic slides for use in English, geography, and history. No slides are purchased until their use has been carefully outlined. It is all-important that we correlate well the visual aid with our other teaching. Careful preparation in the classroom must precede the visual aid. When pictures are shown the pupil should already know what to look for and be helped to see what is there. Later he should be questioned on what he has seen. Our daylight lantern makes it possible to use stereopticon slides in any room equipped with an electric wall plug. The use of a film requires a setting quite different in that the room must be considerably darkened. At present the science rooms are the only ones properly equipped. If the hall could be used many profitable programs might be arranged as the school not only has its own machine but enjoys the most cordial coöperation from the Cambridge Museum for Children. We recommend that you secure some competent party to report on the proper darkening of the assembly hall, with the cost of same.

Two things account for a great majority of the difficulties pupils find in successfully carrying their school programs. One is the choosing of a course not fitted to the interests and capacity of the pupil concerned, and the other is the too absorbing interest in matters outside of school. Progress is being made in correcting

the former by careful study of the individual together with conferences with both the pupil and his parents. The second must be corrected very largely in the home.

In closing I must again express my appreciation of the coöperation my fellow workers give me, and of the helpful attention you and Mr. Dugan always give to my problems.

Respectfully submitted,

L. L. CLEVELAND,
Headmaster of High and Latin School.

TABLE I
TOTAL REGISTRATION

Year 1925	2833
Year 1926	2875
Year 1927	2831
Year 1928	2829
Year 1929 (January 1, 1930)	2827

TABLE II
REGISTRATION BY CLASSES — 1929–1930

Freshmen	881
Sophomores	776
Juniors	573
Seniors	513
Post Graduates	84
	2,827

TABLE III

	I	II	III	IV
1928–1929	Total Number	Number Who Did Not Return	Per Cent of the Shrinkage	The Number of Those in II Who Left Before the End of Year
Freshmen	826	210	25%	99
Sophomores	845	348	41%	158
Juniors	638	141	22%	61
Total	2,309	699	30%	

TABLE IV

SOME OF THE REASONS FOR THOSE WHO LEFT IN COLUMN IV

	Work	Over Age	Home Permit	Moved Away	Changed to Another School	Illness at Home	Own Illness	No Reason Given	TOTAL
Freshmen	21	1	13	18	12	1	2	31	99
Sophomores	19	59	3	29	20	1	6	20	157 plus 1 (married)
Juniors	3	36	3	5	2	1	1 Died	10	61

TABLE V

NUMBER THAT HAVE LEFT — 1929-1930

	Freshmen	Sophomores	Juniors	Seniors	Totals
Moved	23	5	3	2	33
Work	14	7	3	1	25
Home permit	11	2	..	..	13
Transferred to another school, Rindge, Boston College, St. Mary's	8	5	1	3	17
Illness	2	..	..	1	3
Over sixteen	3	3	1	..	7
Just left, no reason	1	24	19	11	55
Totals	62	46	27	18	153

TABLE VI

REPORT ON PRESENT STATUS OF CLASS OF 1929

At work	195	(Of these 11 are studying at night)
At normal schools	8	
At colleges	73	
Post graduates	51	(Now in school)
At home	29	
Married	1	
Abroad	2	
Travelling	1	
Training for nurses	5	
Entered a convent	1	
Entered Repertory School of Acting	1	
Moved away	20	
Number about whom facts are not known	13	
Entered Salvation Army	1	
Total	401	

REPORT OF RINDGE TECHNICAL SCHOOL

One of the most difficult problems with which a technical school has to deal is that of keeping in touch with progress in the community. School routine repeats itself year after year. Courses of study are solidified by being set up in cold type, and continued in force from year to year — while the outside world is always going forward. Each year brings new methods, new machines and new systems of organization. If school is to be a preparation for life it must, at least, be conscious of the stream of life.

Many devices are used to make the schools a part of these outside activities. Two of the best of these are the advisory committees which are quite commonly organized to encourage technical training. Such a committee was organized by Mr. Rindge when he founded the school, and many of the leading citizens of Cambridge served on this committee. Under public school conditions the most successful of these advisory committees comprise representatives of the School Board, Employers, and Labor.

The second means by which the schools strive to keep in touch with affairs is through vocational guidance and placement activities. During the past year our placement department has carried on some interesting activities. Knowing that the present year is one of widespread unemployment, we addressed to about

two hundred and fifty Cambridge manufacturing concerns the following letter:

"You are doubtless familiar with President Hopkins' remarks about the failure of New England industry to avail itself of the services of the college product of this section. These remarks may be equally applicable locally.

We are to have a considerable number of technically trained graduates in June. We know these young men intimately, and are familiar with their capabilities, as an employer would be only after a year or two of employment. We are glad to put the services of our Placement Office, with all this information, at your disposal upon request.

The young men who are graduating in June have specialized in one or more of many fields: electricity, mechanical processes, mathematics, accounting, physics, chemistry, heat treatment, mechanical and freehand drawing, printing, bookbinding, automobile repair, etc.

Many boys want employment in the afternoon and during vacation. Some of them must earn their education in this way. We are glad to aid them by placing them in part-time jobs.

For further information, call Mr. Francis T. McCabe, Head of the Placement Bureau. Telephone, Porter 4500."

The terms of the letter were made very general, because we believed that the idea of technical training would be familiar to the type of man whom we addressed, and that lengthy explanations might obscure our main point: that we had trained material in our graduating class which would be ready for placement in June.

The response to this letter was very gratifying, as the following somewhat typical answer from the General Electric Company indicates:

"My dear Mr. Wood:

I will be very glad indeed to keep in mind the matter of employment for graduates of Rindge Technical School mentioned in your letter of March 31, 1930. At the present time, however, I do not have any opening, but in view of our generally satisfactory experience with graduates from your school, I will be glad

indeed to consider these young men in case later on an opportunity presents itself.

Very truly yours,

W. O. BURSCH, *Secretary,*
Lynn Advisory Committee on Engineering Training."

The real test of the availability of our graduates, however, came when this year's graduating class actually started to seek positions. Employment conditions are probably as difficult as we have ever faced. In spite of all this we have placed 23 members of the class in permanent positions with satisfactory promise of advancement. While this may not seem like a relatively large number, it should be noted that these boys were placed during a period of about three weeks. Many of the other boys find positions for themselves, and a number are planning to go on to college.

We wish to acknowledge with gratitude, the friendly coöperation which we have had from industrial and commercial Cambridge. Ever since the exhibit which we made a year ago in the rooms of the Cambridge Industrial Association, we have had some very practical demonstrations of their interest. One plant alone has taken seven of our young men during the past year, and another business organization makes a practice of starting three or four of them each year. This year the General Electric Company sent representatives here to test some of the students in the electrical department as candidates for the General Electric School. It is too early to say how many will be chosen finally, but we do know that they passed the test. It is our ambition to build up the service of the placement work, so that the number of opportunities open to our graduates will allow each of them to find the kind of employment for which he is best suited.

Respectfully submitted,

JOHN W. WOOD, *Head Master.*

REPORT OF LIP-READING CLASSES

During the year 1929 lip-reading classes have been held in the High School and in the Ellis, Harvard, Kelly, Houghton, Putnam, Roberts, Thorndike, and Webster Schools continuously.

In the fall of 1929 the lip-reading teacher stopped visiting the Peabody School and opened a class in the Morse School be-

cause of the findings of the audiometric tests held in those buildings. No class has been held in the Agassiz School this fall, the children enrolled there last year having left school or moved away. The regular school hearing test failed to discover any new candidates for lip-reading work, but a recently given test with the 4-A audiometer makes it seem probable that a class will again be established there.

There are now fifty-nine children enrolled in the lip-reading classes. Last spring there were sixty-six. All of these children have a decided auditory handicap. One freshman at Rindge has to depend entirely upon his lip-reading ability which he has acquired in the Webster School class.

Many other Cambridge school children are known to have trouble with their hearing. In many cases the trouble is too slight still to make the study of lip reading at all advisable. Advice about the proper care of their ears has been given them and much of their difficulty will probably disappear. There are other cases of hearing impairment which are now receiving regular medical treatment. Many of these cases were disclosed in the schools which were completely tested with the audiometer. When among these children the hearing disability persists even after treatment, lip-reading instruction is given.

We still have only eight ear phones which of course makes the work of testing very much slower than it would be if we had a complete set of phones or even two or three trays instead of one. However, last fall the Peabody, Ellis, Sleeper, and Morse Schools were tested throughout except for the first and second grades where the children are too young to follow audiometric method. The audiometer has also been used to test all of the pupils whose hearing was found to be imperfect or questionable by the usual tests given in the Harvard, Kelly, Roberts, Putnam, and Thorndike School, in the High School first-year class and in Rindge. It has yet to be used for this purpose this year in the Houghton and Webster Schools.

We have tested 1,296 children with the audiometer. We have retested 297 children — all those who on the first test showed a loss in either ear of 9 units of hearing sensation. The majority of the children passed the second test successfully but there remained 89 with indication of a considerable impairment in one or both ears. Of these 89, or 6 per cent of those tested, 33 have a

loss of 12 units of hearing sensation or more in each ear. They are all enrolled in the lip-reading classes. The remaining 56 show a loss of 15 or more units in one ear only, the other being normal or nearly so. All of these children have been reported for and practically all are receiving or have had medical care. We are giving lip-reading lessons to all those whose loss of hearing in one ear is serious or who seem to have especial trouble in spite of their good ears. We regard a rating of 12 or above as warranting attention. The normal children rate 0 or - 3 in hearing loss, normal or above normal.

We need more testing equipment. The results justify the expenditure. In one school the old method test reported two children in the whole school as defective in hearing. The audiometer later on from the small group selected for testing from last year's knowledge of the children found nine and definitely proved the normal hearing of one of the two at first reported. Next year with more phones we could test every child. We would like to do it.

The evening lip-reading class has had twenty-two pupils enrolled this winter. Until Christmas the average attendance was fifteen. Many pupils from other years returned, but half of the class was new. Very excellent work is being accomplished. Many of these people are becoming skilled lip readers. Miss Marcott is again teaching in this class.

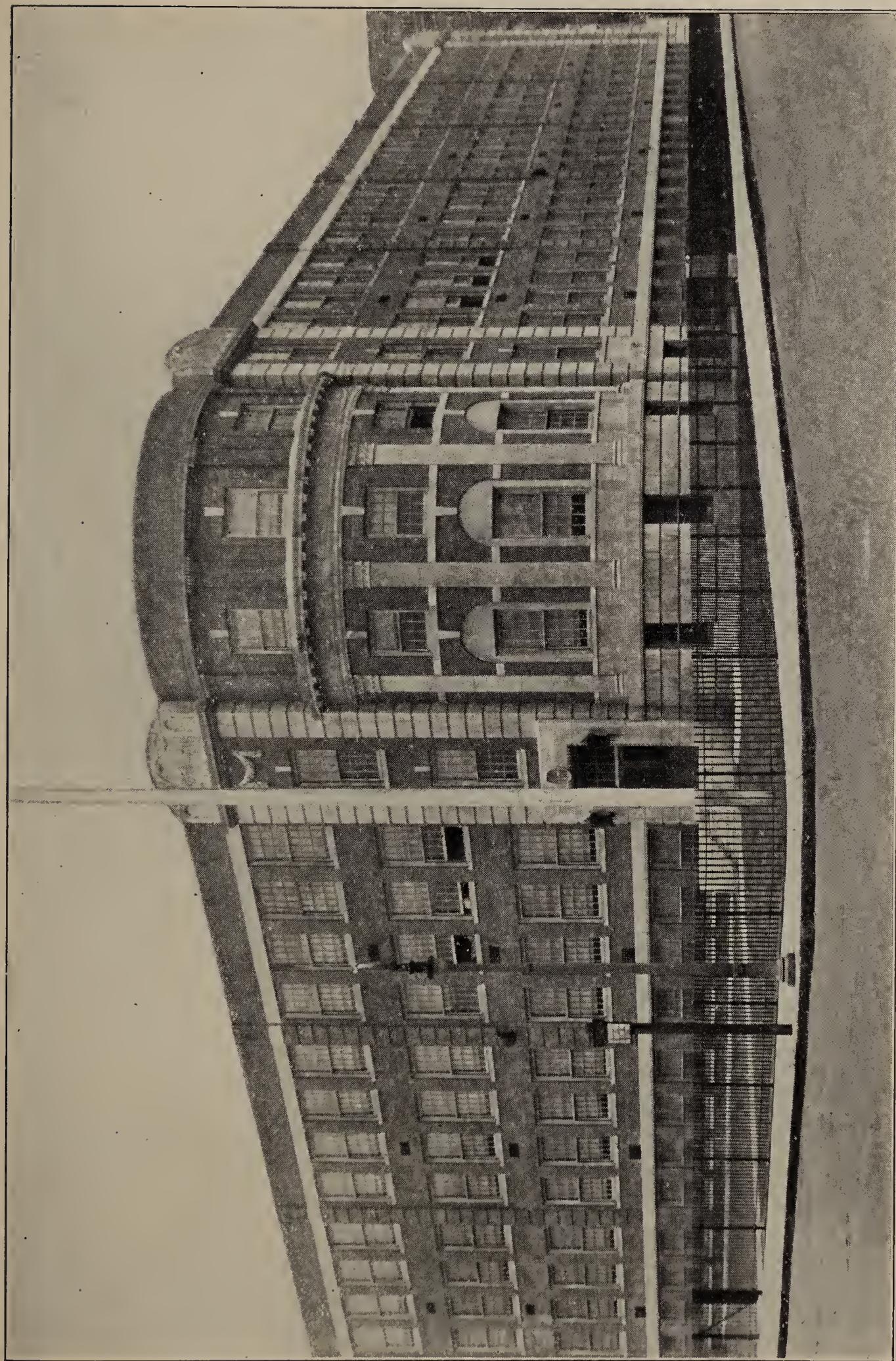
MARION S. CLARK,
Teacher of Lip Reading.

VISION CLASS REPORT 1929-1930

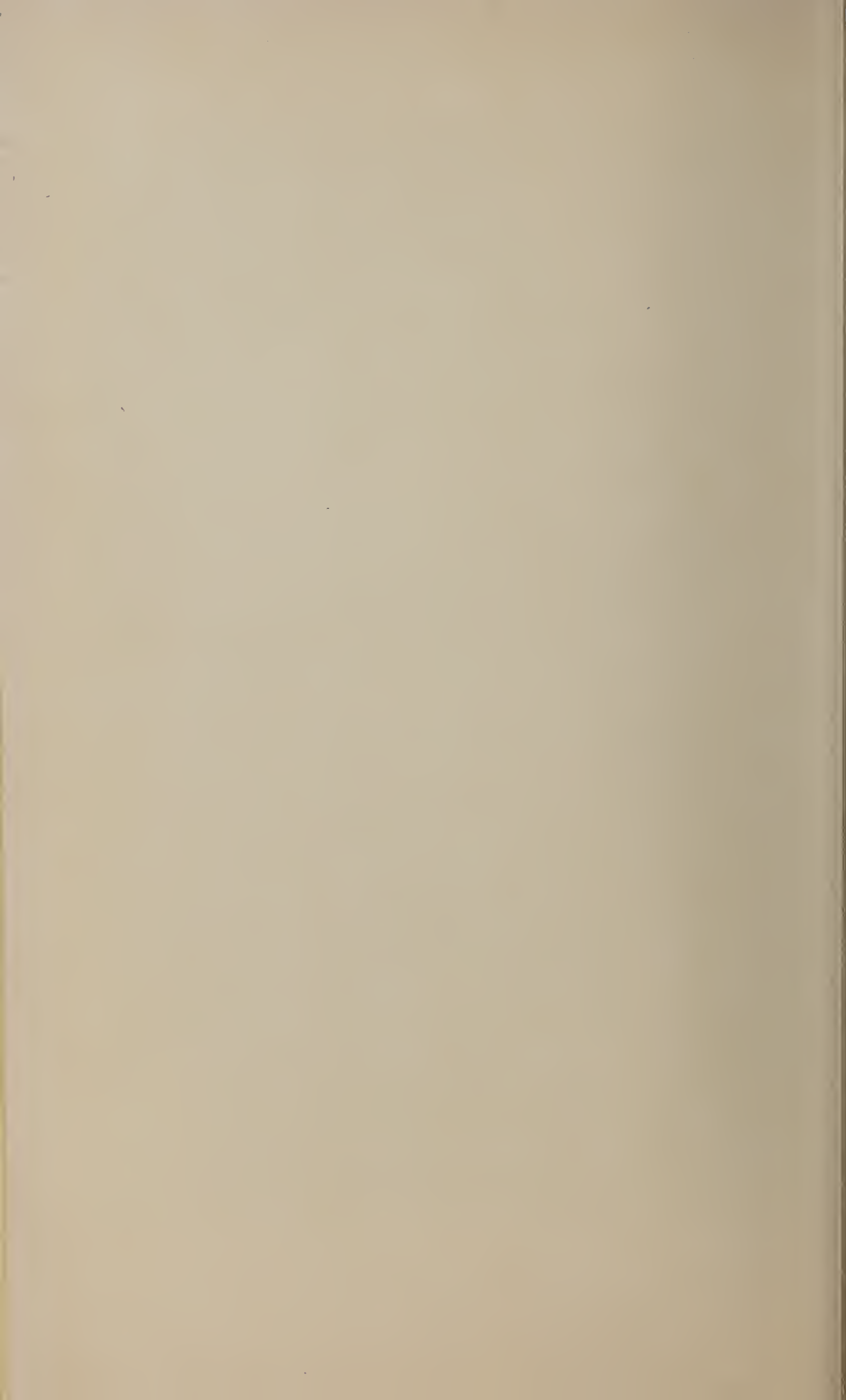
In April, 1929, the Vision Class, which had been located at the Roberts School, moved to its temporary quarters at St. Mary's Gymnasium.

In November, 1929, the class took up its quarters at the new Roberts School, situated at the corner of Windsor Street and Broadway. In this modern building the committee gave special attention to the location and equipment of the room. The room has a northeast exposure and is equipped with dull-finished adjustable desks, double curtains, and the most suitable lights.

The class graduated four last June. Because of their handicap, much attention has to be given to the Safety Problem; so it



ROBERTS SCHOOL



was fitting at graduation time that one of the members should speak on "Safety in the Public Schools."

In September the graduates returned to continue advanced studies.

In October the class was honored by a visit from a group studying at the Harvard Graduate School of Education under the direction of Dr. Allen of Perkins Institution for the Blind. Among the visitors there were educators from Japan, Mexico, Cuba, and Alaska where similar classes are about to be organized. The children gave a demonstration of a daily program.

At present there are twenty-four pupils in the classes. Individual instruction has to be given to these children, as all grades are represented. Special attention is given to their general health as well as to the supervision of their eye defects. Since the children come from all parts of the city, free transportation is provided and also a warm lunch at noon.

I am sure that these twenty-four boys and girls appreciate the opportunities provided for them by the Cambridge School Committee and are showing their appreciation by trying and, I am glad to say, succeeding in competing with their unhandicapped neighbors.

JULIA M. HORGAN,
Teacher of Vision Class.

REPORT OF AMERICANIZATION DEPARTMENT

The following report on Americanization for the year 1929 is herewith submitted:

"Education shall be both universal and lifelong."

In each address reported during the first conference of the World Association of Adult Education which met during 1929 in Cambridge, England, the above quotation formed the keynote. Here in Cambridge, Massachusetts, an equally broad scope is presented in the element of time as applied to adult alien education. For neither age, intelligence, educational preparation, previous educational opportunity, or diversification of interests have been any bar to the education offered the alien in the public schools.

The aims of Americanization are worthy, and the problems many. Both have been met and answered only through public school education.

During the past year in our public school system, we have had many types of classes held in various locations about the city.

Organization of Classes

The various types of classes include in their organization: Beginners, Intermediate, Advanced, and Citizenship groups with academic grades through the sixth. There were special classes made up of applicants and petitioners for citizenship in the Evening High, Rindge, and the Practical Arts School for Women — a special citizenship class at the Roberts School on Wednesday nights for those attending high school on Tuesday and Thursday evenings, a class made up of unsuccessful applicants for Second papers, and a University Extension Class held after evening school closed as a means of further directing the efforts of the foreign-born. This was held at the Holy Ghost Hospital, and those who had finished the work in Americanization were given a course in Plain English.

Recruiting

Each year a very definite effort is made to reach every racial group residing in Cambridge. The various means of appeal include the use of posters, handbills in English, and the foreign languages, editorials and special articles in English and foreign language newspapers, personal letters, personal solicitation, house-to-house canvassing, mass meetings, letters, and visits to former pupils; special campaigning through the coöperation of the clergy, foreign clubs, racial leaders, day and evening school principals, attendance officers, the State Department of Immigration, foremen and employment managers, school clinics, and hospitals.

A new approach to the problem of recruiting was made this year through visits to all the grammar schools by the Director of evening schools and myself.

All of the older pupils were met, and the advantages of attending evening schools were set forth. The children were urged to carry the message home and to all other aliens with whom they came in contact.

Special Coöperation of Factory Managers

As another special project in recruiting industrial employers a letter was sent to the president or superintendent of each factory in Cambridge, requesting their active assistance in interesting

their employees in evening school attendance. Very good response was received from many employers — one factory head (Cambridge Rubber Company) sending me some four hundred names and addresses. All of these were Cambridge residents. They were divided according to districts, and each employee on the list was either visited personally or reached by letter. He was told of the evening school opportunities and directed to the evening school nearest his home. Cards were also left at the factory for distribution to those on the list. These cards contained information regarding the time and place classes were held, and many new pupils were enrolled through this activity.

In this way a definite and successful effort was made to procure the personal attention of factory executives, not only in general but especially in regard to the attendance of their *own* employees at them. Personal interest on the part of these factory heads cannot fail to help the general problem of the education of all factory workers.

Types of Classes

The following list includes the various types of Americanization classes in Cambridge. It will be seen that it is a varied one, containing as it does the only hospital class in the State.

This variety of classes is made possible by the general rule which permits the setting up of an Americanization class at any time and in any suitable place. There are evening school classes, afternoon school classes, evening, morning, and afternoon home classes, factory classes, club classes, church classes, neighborhood classes, and hospital classes.

Grading

Special attention is given to the proper grading of all pupils. Differing as they do in educational background preparation and attainments, it is not an easy task to so grade them that they will accomplish the most in the given time. It necessitates constant attention on the part of teachers and the supervisor that a program may be supplied that will be sufficiently comprehensive to meet the needs of each and every pupil.

In Beginners', Intermediate and Citizenship classes this is fairly easy of accomplishment, but in Advanced classes and Academic grades, it is more complex and sometimes devolves into

dividing pupils into small groups for the purpose of presenting the varied instruction wanted or needed by them.

Attendance

As the attendance in Adult Alien Classes is entirely voluntary, the matter of raising the standard to its highest possible point and keeping it there is a very important one. To this end teachers, principals, and supervisor are constantly working in an organized and coördinated effort.

The first and most important measure is to provide instruction of such a vital, interesting, and helpful nature that the pupil will not only want, but will be eager to take advantage of the opportunities offered. Closely allied to the importance of the night-by-night instruction is the including in the curriculum such subjects as are designed to meet every known or conjectured need or wish of students or prospective students.

When these very important factors are cared for, the attendance may be and is improved by means of active follow-up of absentees, including many somewhat mechanical devices of a more or less original nature such as follows:

At the beginning of the new terms in January and March, personal greeting cards stating the reopening date and urging attendance are distributed to the teachers by the supervisor. They are signed by the teachers and sent to each pupil enrolled in any Americanization Class at any time of the year. Teachers also send letters and other postal cards from time to time to individuals who have absented themselves from class. Verbal messages are also sent, and calls are sometimes made.

This year a letter was prepared by the supervisor and typewritten in large number at the High School. These letters with stamped envelopes were supplied each Evening School principal. The principals were requested to supervise the sending of the letters out after the second absence in an effort to forestall irregularity or losses in attendance. This has been done and many reports have come in that the letter has been a help. Pupils receiving them returned, explaining their absence in many cases.

DISTRIBUTION OF CLASSES

During the past year Americanization Classes have been held as follows:

Evening Schools

In the seven elementary school buildings — Ellis, Haggerty, Kelley, Putnam, Roberts, Thorndike, and Webster, with special naturalization work at the High, Rindge, and Practical Arts School for Women.

Factories

American Rubber Company, Boston Woven Hose and Rubber Company, and the Simplex Wire and Cable Company.

Afternoon Schools

Thorndike, Putnam, Kelley, Wellington, and Webster Schools.

Home Classes

118 Pleasant Street, 160 Chestnut Street, 577 Putnam Avenue, 2 Salem Street, 336 Western Avenue, 21 Harvard Street, 250 River Street, 41 Lopez Street, 26 Tufts Street, 15 Suffolk Street, 3 Salem Street, 1 Salem Street, 8 Chatham Street, and 15 Whitney Street.

Neighborhood Clubs and Other Centers

Holy Ghost Hospital, Hebrew Club, Notre Dame Association, St. Mary's Gymnasium, Cambridge Neighborhood House, and the Greek Church and the Portuguese Civic League.

Enrollment in Classes

Holy Ghost Hospital, Hebrew Club, Notre Dame Association, St. Mary's Gymnasium, Cambridge Neighborhood House, and the Greek Church and the Portuguese Civic League.

Enrollment in Classes

The total enrollment in the foregoing classes is subdivided as follows:

A. Elementary Evening Schools

1,164

63

B. Factory Classes

Enrollment

245

Number of Classes

18

C. Afternoon Schools

Enrollment	Number of Classes
126	9

D. Home Classes

Enrollment	Number of Classes
123	14

E. Neighborhood, Club, and Other Classes

Enrollment	Number of Classes
288	23

Total Enrollment	Total Number of Classes
1,946	127

Mothers' Classes

In most cases the foreign-born woman has not developed educationally to the degree that her husband has. Certain obstacles have confronted her which may be summarized as follows:

1. Old World ideas on woman's position and need of education.
2. The presence of home duties.
3. The care of children.
4. Social isolation
5. Lack of American contacts.

All of these factors have handicapped her in the Americanization process and resulted in many cases in ignorance of the English language. Work with the women is, therefore, largely Beginners', although some are now sufficiently trained to take work of a higher grade. Another important reaction to the facts stated above is the difficulty in getting women into the regular school classes. Provision for this is made by the school department in encouraging home classes in such locations as are suitable. In the past year, such classes were held in fourteen different homes. Around the kitchen table will be found women of various ages absorbing with the keenest interest the lessons in English which best fit their needs.

A teacher particularly adapted to this type of work is employed. The work done in these classes is very effective as an adjustment to American life.

Citizenship Work

The citizenship work has progressed well during the year despite the fact that the cost of naturalization has increased from five to twenty dollars.

The course followed is "Thirty Lessons in Citizenship" prescribed by the State Department of Education. It includes a study of government, history, geography, the size and resources of our country, everyday lessons in simple economics with the relation of capital and labor, with emphasis on the free education and wonderful opportunity offered to all.

As a method of recruiting citizenship pupils an arrangement with the Department of Naturalization was taken advantage of. A list of petitioners who had taken the Naturalization examination and *failed* was received. A special letter was sent to each petitioner followed by a personal visit explaining the advantages of evening school in preparation for the re-examination which must be taken. Some pupils took advantage of the help thus offered and were enrolled for the rest of the term.

Another and more valuable coöperative measure included the use of another list giving the name and address of every Cambridge man or woman who had applied for either first or second paper. In this latter group it is possible to reach applicants early in the process of naturalization and thus prepare them so that they will be successful when called for examination the first time.

The response to the letters sent out to this latter group has been excellent, and many of those written to have enrolled in school.

During the last half of the year, Rindge Evening Industrial School, Evening High School, and the Evening Practical Arts School were surveyed for any pupils who might need assistance in obtaining first or second papers. A few minutes an evening was devoted to each pupil at a time when he could spare it. As only a few minutes were available in an evening, a special class in Naturalization was organized for these pupils at the Roberts School on Wednesday nights so that they might have a brief course in citizenship before being examined. Some thirty to forty pupils were helped in the above way.

Literacy Tests

Literacy tests were given to illiterate minors at the close of

the school year. The subjects in which tests were made were arithmetic, history, English and geography. The lesson material was of the sixth grade, and those who received a passing mark were subsequently given a literate status.

Attainment Tests

Attainment tests prescribed by the State Department of Education were given in Beginners' and Intermediate Classes according to the suggestions on administration made by that Department. The tests were somewhat elaborate with the use of score cards for marking in Oral English, Reading, and Practical Language.

The tests had their greatest value in guiding the teachers to such weaknesses as were revealed in their teaching, thus giving them an opportunity to emphasize such subjects as required emphasis.

Observation Lessons

During the past year we were called upon to give two observation lessons for the benefit of the State Department of University Extension pupils. Each lesson was attended by about seventy-five observers who later made a report at their regular conference at the Normal Art School.

The lessons were carefully planned following the state program in each detail. The program itself was explained step by step so that it might be understood fully by those attending. The success of the lessons was demonstrated by the enthusiasm and comments of the observers for whose benefit they were given.

ROSE M. RONDEAU,
Director of Americanization.

REPORT OF THE CHILDREN'S MUSEUM

An annual report of the work at the museum must necessarily cover the same ground as in previous years — school work and activities outside of school hours.

During the past two years many lectures have been given in the schools with lantern slides and motion pictures. These have covered all grades from primary through high school and a variety of topics in geography and natural history. One set of history films has been shown, "The Pilgrims," and it is hoped that the film, "The Puritans," will be available soon.

The figures for the year are as follows: 3,801 children came to the museum to hear lectures by members of the museum staff — this includes only fourth through eighth grades; 28,309 children heard lectures by members of the museum staff in their schools — this includes all grades.

Among the afternoon activities the most important was the Science Series given for the eighth grade boys by the men at Rindge Technical School. This year there were seven lectures, all very interesting and instructive and all well attended. The fact that from 120 to 180 eighth grade boys flock to them shows clearly how eager they are for such lectures. We are much indebted to Mr. Wood and the science department for their help.

The Art Class is another interesting regular feature. The children, selected by Mr. Burke, meet once a week and for the most part do imaginative work. The exhibition in June always occasions much favorable comment. For the past two years the class has been conducted by seniors at the Massachusetts School of Art, whose services Mr. Burke enlisted for us.

The Story Hour afternoons have included illustrated fairy stories by members of the museum staff and travel and science talks by outside speakers. One science talk was given by Mr. Lunt of Boston Teachers' College, one by Mr. Horace Faull of Harvard and a third by Mr. Andrews of Harvard. The travel talks have covered a wide range of countries as China, Czechoslovakia, etc.

The Stamp Club meets every Tuesday afternoon and consists of from twelve to sixteen live boys who not only exchange but learn the history and geography of the countries issuing the stamps.

The Sunday afternoon lectures increase in popularity, the attendance taxing the museum capacity at both lectures on almost every Sunday. The short school vacations always find the museum open and busy, the March vacation bringing by far the largest attendance with an average of 365 daily. Special programs are provided at 10.30 and 1.30.

Several valuable gifts and loans have been received during the past year including two large bookcases, a very interesting collection of dolls, a victrola, numerous beautiful foreign railroad posters, dolls and toys from Europe, etc. The most recent gift is a dissecting microscope given by the Cambridge Walking Club in memory of Mr. George C. Deane, the former secretary-treasurer

of the Club who had always been much interested in the work of the museum.

Once again I wish to express our thanks to the Superintendent, to the School Committee, and to all other friends of the museum who have helped in its activities.

RUTH D. CRAWFORD,
Director of Children's Museum.

REPORT OF THE PHYSICAL EDUCATION DEPARTMENT

A determined effort has been made this year to perfect the posture program, and I am glad to state that very pleasing results were secured both in Posture and Corrective Gymnastics.

The new corrective gymnasium at high school is ideally located and equipped. An excellent program is carried on at high school three days a week by a specially trained teacher who also devoted two days a week at our Municipal Hospital clinic. One of our gymnastic teachers devotes one day a week in the corrective gymnasium for grammar school classes. Three classes are held once a week for high school boys.

The corrective and posture work in the primary and grammar schools met with enthusiastic response. Great interest was manifested in the seating of the pupils with regard to the proper adjustment of seats and desks.

Our natural growth and development demand adequate space and equipment. It is very urgent that some provision be made to promote an out-of-door program. Our present facilities for this type of program offer the best opportunity to develop, provided we have proper play surfaces and equipment.

HIGH SCHOOL ORGANIZATION

Physical Education is required for all freshmen and sophomores at the High and Latin School where about eight hundred girls take gymnastics two forty-five-minute periods a week and about five hundred boys take one forty-five-minute period a week. In September, all the girls and boys enrolled in Physical Education are given a medical examination by the High School physician and nurse and a physical examination by the gymnastic instructors.

Candidates for the athletic teams are required to have a

special medical examination by the athletic physician and the written consent of the parent.

HIGH SCHOOL RECOMMENDATIONS

In view of the fact that we require a regulation gymnastic costume, we should provide lockers. All windows in the gymnasium should be screened. Some change should be made in the heating and lighting plan in the gymnasium. The roof of the gymnasium should be repaired. The field adjoining the high school should be regraded and resurfaced up to the gymnasium wall. The development of this field will allow an out-of-door program and relieve the overcrowded classes in the gymnasium.

I feel that we should organize gymnastic classes at Rindge similar to those at Latin School. In order to do this it will be necessary to employ the services of another man teacher whose duties shall be: 1. Gymnastic classes at Rindge two days a week; 2. Corrective classes for high and grammar school boys; 3. Supervision of all after-school activities in the grammar schools and of freshmen athletic teams at high school.

Because of the after school athletic activities at the Latin School, it is necessary to have a first aid kit. The school nurse is not on duty after school hours.

POSTURE CORRECTIVE GYMNASTICS

At the corrective gymnasium at high school there are seven classes of girls meeting twice a week with an enrollment of ninety, and three classes for high school boys with an enrollment of twenty, meeting once a week.

At the beginning of the year the gymnastic teachers visit the classroom and select the pupils who need special treatment. With the written consent of the parent they are taken to the Municipal Hospital under the supervision of a teacher. Here Dr. B. A. Godvin, in charge of orthopedic department, diagnoses and prescribes treatment. Miss Alice A. Ward, the corrective gymnastic teacher, spends two days a week at the hospital and three days in the high school corrective gymnasium. After examination she groups these pupils into various classes.

I recommend the establishment of district clinics and the purchase of a picture booth, a silhouetteograph, and a horizontal bar.

I wish to thank Mr. Fitzgerald sincerely for his advice and suggestions. I wish, also, to express my deep appreciation and gratitude to all the gymnastic teachers; to the masters; teachers and supervisors; to the school physicians and nurses; to Dr. Godvin; and to all others who have contributed to the success of the work.

JOSEPH J. SMITH,
Director of Physical Education.

REPORT OF ART EDUCATION

I take pleasure in submitting the following report of the Department of Art Education for 1929-30:

The outline of lessons in grades one to four inclusive has been revised. The fundamentals are the same but the new program allows more lessons in sequence on each phase of the subject. There is more repetition on the points to be emphasized.

The lessons in representation in all grades aim to use drawing as a means to learning, testing, and expressing knowledge.

Problems in applied art work have been successfully tried out in the eighth grade of the Thorndike School. These applied art problems excite considerable interest and initiative on the part of these eighth grade pupils. With your permission I should advise having a certain amount of this work incorporated into the art outline of the future.

Two years ago I recommended adding applied art work to the regular courses in the High and Latin School and Rindge Technical School. It was suggested at that time that we try it out in Rindge and, if it were successful, we would consider placing a teacher for the girls in the High and Latin School.

We have at the present time a substitute who has had specialized training in arts and crafts work and who teaches this phase of the work in Boston four nights a week. If it is possible to acquire her services as a permanent substitute next year, the department would be considerably benefited.

There is need for an assistant to take care of the supervisory work in grades four, five, and six in the Elementary Schools. The work has grown and the duties have increased to such a degree that the necessary number of visits may be maintained only by an addition to the staff.

As usual the special afternoon classes for talented children are conducted at the Children's Museum through the efforts and

coöperation of Miss Crawford and Miss Fitzgerald. A senior from the Massachusetts School of Art teaches these special students at the Museum on Thursday afternoon from three to four-thirty o'clock.

A similar class is conducted at the High School on Monday afternoon from two-thirty to four o'clock.

The principal of the High School suggested that we try out an Armistice Day program in which the Music, Oral English, and Art Departments would assist. The Art Department, under the guidance of Mr. Doyle who is a "legionaire," arranged the stage so that it represented the facade of the Lincoln Memorial and the Tomb of the Unknown Soldier. This served as a background. Miss Hartigan's students acted in pantomime. Mr. Whoriskey's pupils assisted in their splendid rendering of patriotic band selections.

Christmas offers an opportune time for offering a pageant. Again the three departments worked out a delightful program of art, music, and pantomime. Practically every art student in the sophomore, junior, and senior classes had some part in making and painting the scenery and costumes for this pageant. Miss Willoughby wrote the play and took charge of the program. Again Miss Hartigan, Mr. Whoriskey, and the other art assistants helped in achieving a distinctive type of program.

This is an opportune time to thank Mr. Roach, Superintendent of Buildings and Grounds and his men for their coöperation in the matter of staging.

At the invitation of Miss McElroy, the senior dean, an illustrated talk on Art in Dress and Furniture Design was given to the senior assembly.

During the month of December, I was invited to act in an advisory capacity for the Committee on the High and Latin School War Memorial. I suggested Cyrus Dallin's name to the committee and was asked to arrange for a meeting with Mr. Dallin. At this meeting it was decided to award him the contract in order to complete a bronze equestrian statue by May 30, 1931.

I cannot end this report without expressing my sincere thanks to the Superintendent for the many kindnesses he has accorded me during these ten years of my enjoyable work as Director of Art Education.

ALFRED F. BURKE,

Director of Art Education.

MUSIC REPORT

Sixteen new pianofortes have been acquired by the school department within the past fifteen months. Of these three came as part of the usual equipment when the new Roberts building was completed. The remainder were purchased by the music committee of the School Board and were assigned as follows: Fletcher, Kelley, Lowell, Morse, Merrill, Peabody, Webster, Wellington, Willard, and music department headquarters, Latin School Hall, Gannett, and Wyman. All excepting that at Latin School are uprights, specially built for kindergarten purposes. The Wyman instrument is in the room assigned to the fresh air pupils. The others, not otherwise indicated, are in the kindergarten rooms of the buildings named. The new Roberts pianos include one kindergarten upright, a larger upright for physical education purposes, and a Steinert concert grand on the auditorium platform.

The Chickering concert grand, formerly used in Latin assembly hall, has been transferred to Latin gymnasium, where it is protected by an iron grill work. The Morris upright (formerly used in the Gannett kindergarten), which was in bad repair, was thoroughly renovated and sent to Russell auditorium floor for physical education purposes, the concert grand having been placed out of harm's way on the stage, after serious damage to its surface had been repaired.

Textbooks

Four years ago the New Education Series (Ginn & Company), was adopted by the school board for use in the grades. Only one book was put into use at that time, and last year three others were added, the needs of the Fifth, Sixth, Seventh, and Eighth grades being thus supplied. In the First and Second grades we allow books in the hands of teachers only, all music except the very simplest principles being rote work. This leaves two more books for the use of pupils to be supplied, one for the Third and one for the Fourth grade.

In anticipation of the purchase of the latter the coming year, I am now preparing a new Course of Study in detail, consisting of thirty-six weekly lessons for each grade, a total of two hundred eighty-eight lessons. The syllabus will be sufficiently elastic to permit the class instructor easily to cover the work in the time

assigned. Typographically as well as in arrangement of material, the new books are a decided improvement over the old and readily lend themselves to the much simpler method of teaching sight reading inaugurated in Cambridge ten years ago. Much unnecessary machinery has been eliminated in the technical presentation of problems; dry-as-dust exercises preceding the songs have been omitted; and intervallic drill as a separate item in the presentation of a lesson is replaced by drills from the song material only after the pupils have failed. To reach the multitude that may lack a musical background without neglecting the comparatively musical few; to save precious minutes in a limited time schedule; to remove the "task-consciousness" of pupils and create a realization that the sight reading is well within the scope of their comprehension are among the objects that are being accomplished in our schools.

Music Appreciation

The use of the Radio-Electrola at High and Latin School is still in the experimental stage. It cannot reach its highest stage of efficiency unless those who listen to the Damrosch concerts are really seeking to improve their personal musical equipment by hearing the best music, played by a wonderfully-equipped organization under a master of his art. I am convinced that Music Appreciation should be an elective subject, carrying diploma credits and entirely separate from chorus or any other branch of music.

Brass bands for High and Latin and Rindge Technical schools have been recommended by the Director of Music many times during the past nineteen years. The demand is now more insistent than ever, especially in view of the fact that many of the surrounding cities and towns have been so equipped for several years. From an investigation I have found that Cambridge may have one at a much less outlay than it could ten years ago. Competition has become very keen, and one offer made by a company that has Sousa as its supervising director includes the sale of instruments to the pupils on easy terms when they desire it. The same company offers free instruction for a year to any band organized in the public schools that has thirty-five or more pupils who use its instruments, whether they are purchased in part as above or whether the School Department finances the whole

scheme. Depending on the quality of the instruments purchased and the number of pupils, each band may be equipped at a cost that ranges from about \$900 to \$3,000 for instruments. The company guarantees that the band will be able to play simple music in public in six months after its work begins and claims to have the ablest teachers in this section on its teaching staff, which seems plausible since Sousa is the supervising director. The instructor will teach either in the company's studio or in the school building after school hours, as desired.

Respectfully submitted,

JOHN B. WHORISKEY,
Director of Music.

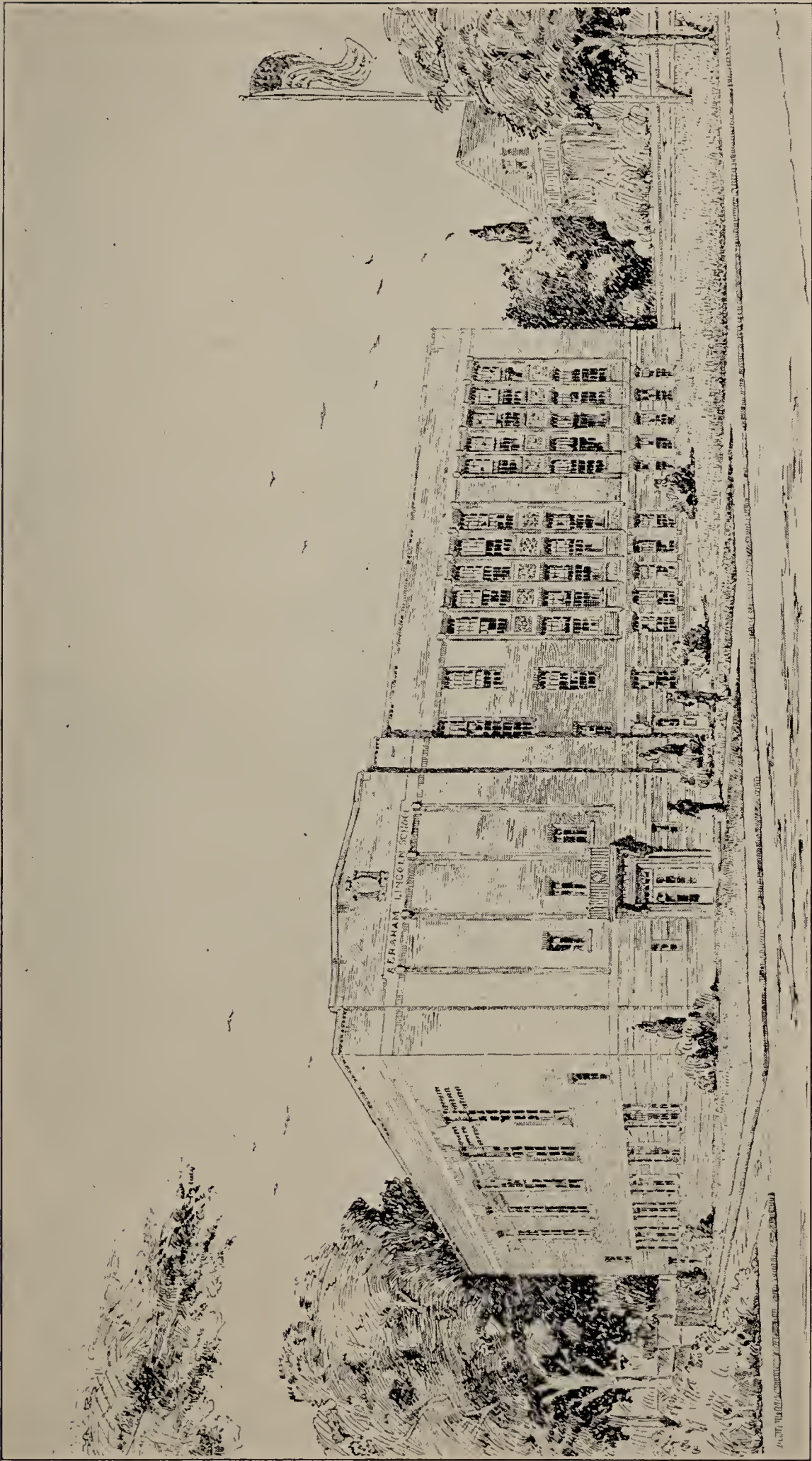
REPORT OF THE PRIMARY CLASSES

The ten primary classrooms which we now have in the Roberts School have taken most excellent care of the children from the Parker and Boardman Schools. The crowded conditions which have prevailed in that district for a long period no longer exist; the classes are now of normal size and the teachers and children are happy in their new environment. Some of the primary classes in the Peabody School are much too large and necessitate two teachers working in one room; this is not desirable. We are looking forward to the completion of the new school in this district which we know will bring relief. Many of our primary grades in East Cambridge are small owing to the progress of business in that section and the existence of many private schools.

At the Russell School we have several assistant teachers who are very necessary in order that the efficiency of the school may not suffer. Little children need much individual attention, and this can not be given by the teacher who has a class which is too large. Most of the instruction given young children must be individual; therefore the number assigned to each teacher should be small.

The assistants working in our schools are graduates of our own schools and our State Normal Schools. They are under the guidance of experienced classroom teachers who direct and help them in every way possible. They respond by gladly accepting all suggestions and cheerfully following all directions given. Our teachers find them most helpful and worthy of all commendation.

Wherever we have the necessary accommodations, classes



ABRAHAM LINCOLN SCHOOL

have been formed to take care of children between five and six years of age. Such classes are called the B division of the first grade.

In these divisions the children are instructed in subjects presented during the first school year, and many of them make rapid progress in first grade work. Children coming from homes where little or no English is spoken especially benefit by these classes. They come into contact with other children and are obliged to speak English to make themselves understood by their classmates. In conversation with other children they are constantly using the English words which they meet repeatedly in the vocabulary found in most primers. By using the words they soon learn the meaning of them, and having a knowledge of the meaning makes the memorizing much less difficult.

We have received many new books for use in the primary grades. These books are most attractive and their value to the child cannot be estimated.

The stories are all within the range of the child's experience and the illustrations in most cases are beautiful. Nothing delights a young child as much as a new book. The more we have, the more interesting the learning to read becomes.

The books introduced for the use of the teacher are greatly appreciated, and the suggestions contained in them have proved of invaluable assistance to the primary teachers who are always looking for new ideas.

KATHARINE L. McELROY,
Supervisor of Primary Schools.

KINDERGARTEN REPORT 1929-1930

The kindergartners this year have been carrying on with the program which we had worked out together the past years. At the general meetings once a month we have aimed in our discussions to arrive at the best method of securing the desired results from this program. We have made comparisons of formal and free work and have considered the new problems which are constantly coming up.

Early in the year the younger teachers met every two weeks for their program study. To these meetings they brought the handwork of the children, and we talked over and judged its

strong points and its weak points in an effort to bring up the standard of such work. Demonstration exercises in the classroom which emphasized both method and content have helped them to apply the most effective methods in all this class work.

The Program Book which each teacher makes for herself is proving an important contribution and a source of much satisfaction. It contains a report of suggestions and criticisms made at our meetings as well as notes on the prescribed and collateral reading done by each kindergartner. These individual program books have shown insight, growth, and development on the part of the teacher, and have unified and strengthened her work. They are kept on the kindergartner's desk to be inspected and talked over by the director.

A spirit of coöperation between the home and the school is constantly being created by the visits of the teachers to the homes of the pupils and the mothers' meetings, held in the kindergartens tend to foster and develop this spirit which is so helpful to both teacher and child.

ALICE V. McINTIRE,
Supervisor of Kindergartens.

REPORT OF THE EVENING SCHOOLS

The following is a report of the evening schools for the year 1929-1930:

After an extensive advertising campaign, the evening schools opened for registration on Monday, October 7, 1929 at the High School, Rindge, and Evening Practical Arts. The remainder of the evening schools opened on Tuesday, October 8, 1929.

In accordance with the Superintendent's suggestion we supplemented the regular advertising with a visit to all the elementary schools where we had an opportunity of telling the children about the opening of the evening schools. The masters coöperated in every way and made our visit a very pleasant one. The result of the advertising showed itself in an increased enrollment in nearly all of the schools.

A comparison of attendance shows us to have had a better holding power this year than last. This is doubtless due to the fact that there were no breaks during the year except for the regular vacations. The no-day-school-no-night-school rule always

worked a hardship on the evening schools. The suspension of that rule helped the attendance materially.

High School

Our finely equipped office practice department is a magnet which has attracted and retained large groups throughout the year. Mr. Foley has installed a class in speed stenography for those who are planning to take government examinations. Other new courses offered at the high school were elementary chemistry, advanced mathematics and a course in drawing, design and home decoration. Our lip-reading class has met with such general approval that a private enterprise of the same kind failed completely, from lack of patronage. During the year our registration in the high school reached one thousand. The number of graduates was one hundred and fifteen.

Rindge

The attendance at the Rindge Evening Industrial School was considerably higher than that of last year. If, in some way, the restrictions could be removed from Rindge, we could handle a great many more pupils. The courses being trade extension courses are subject to the following requirements for admission: an applicant must be at least sixteen years of age, and must be working at the same trade or one allied to that in which he desires instruction. These restrictions close the school to many who would like to attend. I think that the Superintendent's suggestion to open the school on two additional nights in order to take care of this group will solve the problem.

Evening Practical Arts

This school attained the same high standard which has characterized it in former years. The new classes in home nursing proved very popular and were well attended.

The chief problem in connection with this school is to determine the location of it for next year.

Elementary Schools

Statistics show attendance to be generally higher except at the Ellis and the Haggerty where there was a slight falling off.

The classes were favored with several visits from Miss Guyton

of the State Department. She used many of our groups as demonstration classes.

We again carried out the Superintendent's plan of a union graduation, over one hundred and ten pupils varying in ages from fifteen to sixty receiving their diplomas. This plan works excellently since it means that the graduates make at least two visits to the High School. They are taken about the High School and Rindge where they are able to see the classes in operation. In this way we feel that they are encouraged to continue their education in the evening high school.

May I ask that some small part of the program of the fall meetings of the Parent-Teacher-Pupil Associations be devoted to a discussion of the advantages of attending evening schools?

In closing, I should like to thank Mr. Fitzgerald and Mr. Dugan for their kindly help in the solution of problems which have arisen in the administration of the evening schools.

MARTIN F. O'CONNOR,
Director of Evening Schools.

REPORT OF THE SUMMER REVIEW HIGH SCHOOL
1929

The following is a statistical report on the Summer Review High School:

	1929	1928
Average daily attendance.....	521	534
Aggregate attendance.....	11,461	11,756
Registration.....	627	666
Examinations taken*.....	785	810
Passed.....	649 (83%)	641 (80%)
Failed.....	136 (17%)	169 (20%)
Teachers.....	53	46
Secretaries.....	1	2
Bookroom Clerk.....	1	1
Matron.....	1	1

	Per Cent Passed (1929)	Per Cent Failed (1929)	Per Cent Failed (1928)
<i>Subjects, Cambridge High and Latin School</i>			
English.....	78	22	27
Latin.....	64	36	14
French.....	89	11	16
Spanish.....	82	18	9
German.....	100	0	0
Algebra.....	78	22	21
Geometry.....	77	23	33
Arithmetic.....	100	0	0

General Science.....	100	0	17
Physics.....	85	15	29
Chemistry.....	100	0	12
United States History and Civics.....	100	0	0
United States History (1 semester).....	100	0	50
Ancient and Mediaeval History.....	100	0	6
Modern European History.....	100	0	16
Community Civics.....	94	6	0
Commercial Geography.....	100	0	11
Commercial Law.....	100	0	0
Bookkeeping.....	80	20	16
Shorthand.....	60	40	23
Typewriting.....	88	12	27

*Pupils taking two subjects are examined in two. Pupils taking one subject are examined only in one.

	<i>Per Cent Passed (1929)</i>	<i>Per Cent Failed (1929)</i>	<i>Per Cent Failed (1928)</i>
<i>Subjects — Rindge Technical School</i>			
English.....	87	13	..
Algebra.....	90	10	..
Geometry.....	100	0	..
Science.....	91	9	..
Shop Mathematics.....	100	0	0
Trade Mathematics.....	100	0	100
Ancient and Modern History.....	100	0	..
European History.....	100	0	..
Bookkeeping.....	100	0	..
Civics.....	100	0	..

Summary

	<i>Exams. Taken</i>	<i>Passed</i>	<i>Failed</i>
Cambridge High and Latin School subjects...	668	561	127
Rindge Technical School subjects.....	97	88	9
Total.....	785	649	136

Nineteen High and Latin School pupils who failed to graduate in June 1929 completed their work during the Summer Session and were awarded their diplomas at the close of Summer School. Three boys were able to graduate from Rindge Technical School due to the fact that they were successful in their Summer School work.

CHARLES G. HARRINGTON,
Principal of Summer Review High School.

REPORT OF THE DIRECTOR OF SAFETY

I herewith submit my report for the year 1929:

The past three years have witnessed the complete inauguration and highly satisfactory functioning of my safety policies and principles. The practical results achieved in the decrease in both

fatal and non-fatal accidents to children in Cambridge is exceedingly gratifying. From the statistics published by the Registrar of Motor Vehicles, Capt. George A. Parker, for the year 1929, we find a report of the encouraging fact that out of 39 leading cities and towns in Massachusetts, Cambridge stands out prominently, being listed as one of the two in the entire 39 whose records show a noticeable decrease in fatal accidents. I am glad to state that there are six less killed by automobiles in the streets of Cambridge in 1929 than in the year 1928.

I would not be responsive to the spirit that animates me in my humanitarian work, were I not to pay tribute in this report for the splendid results obtained by my Junior Traffic Boys whose organization, duties and work I have described in previous reports. These boys have been of tremendous assistance to me in my school work. In guiding and instructing the children to be careful and inculcating into themselves and others the principles of safety, they have done much to bring about the laudable standing of Cambridge in the number of reductions of automobile accidents and fatalities to children. I feel also that it is a work that will show its worth in the future. It is bound to react favorably upon the future adult citizens of our city when they carry into womanhood and manhood the principles of safety and the unforgettable and daily propounded lessons of being careful on our city streets.

I feel that it would not be amiss for me in this report to convey my efforts in behalf of adults' reduction of accidents and death by automobiles with a certain thrill of satisfaction with my results obtained with the children and noting the appalling increase to the number of adults injured by automobiles. I found time to concentrate some of my efforts in this direction. Observing that in 1926 there were 816 adults injured by automobiles and that in 1927 the figure jumped to 200 when 1,093 adults were injured by automobiles, and then in 1928 we have the 200 per year increase with the figures showing 1,281 adults injured by automobiles, I therefore determined to enunciate my Safety Policies among civic and fraternal organizations. I appeared before trucking concerns and various factories, and placed cards in automobiles warning motorists to be more careful in the streets of Cambridge. The results are very encouraging as the 200 per year increase was not only stopped but there was in reality a

decrease to the number of 8, the figures being 1,273 for the year 1929 as against 1,281 for the year 1928. An interesting statement has recently appeared in the statistical bulletin of the Metropolitan Life Insurance Company in which the editor, Louis I. Dublin, refers to Chief John J. McBride's "safety workers." He says the results of a questionnaire sent out by his Company to 24 cities are vitally interesting and he praises highly the work of one New England city, *viz.*, Cambridge, where through the efforts of a Safety Director, Safety literature and special Junior Traffic Officers, marvelous results have followed in the reduction of injuries and deaths by automobiles.

All of these observations and commendations are very gratifying and helpful. The spirit evinced by all with whom my work brings me in contact has been of great assistance and I wish to thank the School authorities and the teachers and the leaders of civil and fraternal organizations (particularly the Kiwanis Club for supplying annually the white belts for the Junior Traffic Officers) for the splendid coöperation they have given me in my safety work.

In addition to my daily routine work of visiting all the schools in our city, exhibiting posters, organizing Junior Safety Patrols, material for School Bulletin Boards, I have found time to respond to invitations extended by school superintendents, police chiefs, civic organizations, and safety leaders to address them on the Cambridge System. During the summer time I have devoted my time to the sessions of the summer schools and playgrounds. I have stressed the lessons of Safety coming to and from the playground and have sought to impress the children with the fact that the playground and not the street is the place to play.

Everything considered, my work and the results achieved have been very gratifying and truly humane, bringing to me a certain joy and a sense of satisfaction that only service of such a character can stimulate.

I wish in addition to report the following contiguous with my safety work:

Schools visited (public)	27
Children instructed (public)	15,873
Schools visited (parochial)	10
Children instructed (parochial)	7,278
Schools visited (private)	1

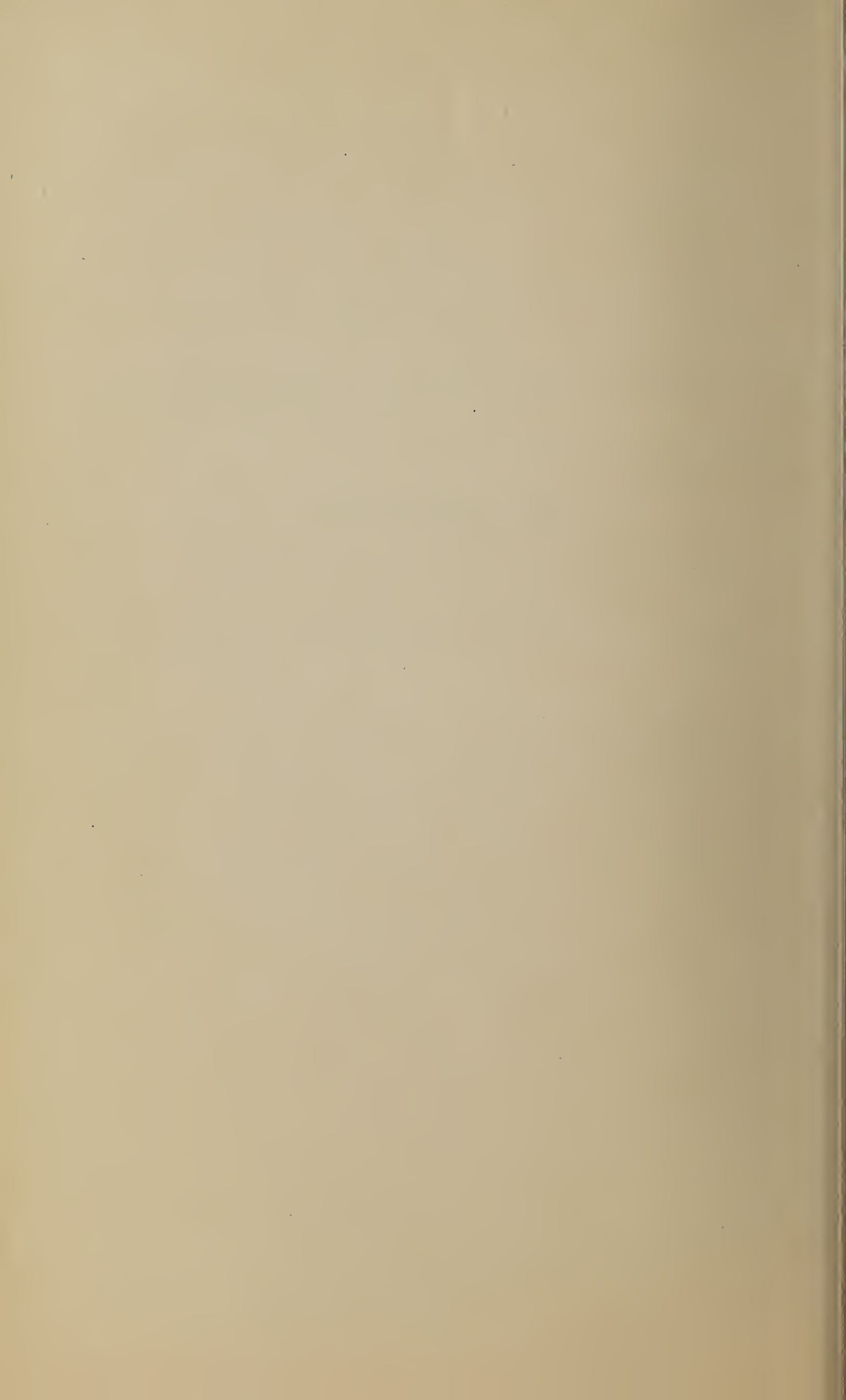
Property recovered, stolen by children.....	\$165
(Through the coöperation of the Junior Safety Patrol. Full restitution was made with no court action.)	
Personal talks at homes in the interest of children disobeying the safety laws (This included such violation as roller skating, playing ball in the streets and hopping on electric cars and motor vehicles, holding onto automobiles with sleds.)	408
Boys personally warned about stealing rides on electric cars and motor vehicles.....	210
Children found on streets playing truant and brought back to school.....	16
Children found on the streets playing truant, not living or going to school in Cambridge, returned to their homes.....	2

I wish to thank the Superintendent for his helpful suggestions and kindnesses during the past year.

Respectfully submitted,

PATRICK F. SHEA,
Director of Safety.

STATISTICS



FINANCES

FOR THE FINANCIAL YEAR FROM APRIL 1, 1929
TO APRIL 1, 1930

RECEIPTS

Amount received from Tax Levy (\$9.00 per \$1,000 valuation)	\$1,618,283	20
Amount received from Tax on Intangibles, collected by State	127,846	52
Amount received from Massachusetts School Fund	121,780	00
Unexpended balance from 1928-1929	22,485	61
Revenue received	77,975	46

Total amount available for support of schools	\$1,918,370	79
---	-------------	----

EXPENDITURES

Salaries of teachers, all schools	\$1,390,602	92
Administrative salaries	71,634	38
General administrative expenses	15,732	42
Textbooks and supplies	96,048	50
Transportation of pupils	2,133	00
Care of truants	136	75
Tuition to other cities	8,827	82
Janitor service	143,398	50
Janitor's supplies	4,636	33
Fuel and light	38,700	40
Repairs to buildings	77,074	61
Furniture and furnishings	5,192	57
Other school expenses	15,194	00
Refund on Minors' Licenses	40	50
Pensions	5,915	00
Lunch Rooms Supplies	40,361	72

Total expenditures	\$1,915,629	42
------------------------------	-------------	----

Balance unexpended and carried forward to 1930-1931	2,741	37
---	-------	----

COST OF INSTRUCTION FROM APRIL 1, 1929 TO APRIL 1, 1930

SCHOOLS AND OFFICERS	Cost of Instruction	Average Number of Pupils for the Year ending in June	Cost per Pupil
High and Latin School.....	\$289,044 29	2,563	\$112 78
Rindge Technical School.....	139,863 15	921	151 86
Grammar Schools.....	370,955 19	6,304	58 84
Primary Schools.....	264,314 15	4,384	58 85
Kindergartens.....	57,916 81	967	59 89
Open Air Classes.....	29,781 41	170	175 18
Substitute Teachers.....	75,286 70	—	—
Continuation School.....	16,076 06	—	—
Department of Art.....	6,250 00	—	—
Department of Music.....	8,650 00	—	—
Department of Physical Education.....	21,588 10	—	—
Manual Training and Pre-Vocational Work....	31,914 62	—	—
Teachers of Sewing.....	15,691 17	—	—
Teachers of Cooking.....	1,658 00	—	—
Teacher of Stammerers.....	1,994 00	—	—
Teachers of Vision Class.....	2,808 00	—	—
Teacher of Lip Reading.....	1,994 00	—	—
Opportunity Class.....	1,849 37	—	—
Teachers at Museum.....	4,989 00	—	—
Superintendent.....	7,700 00	—	—
Assistant Superintendent.....	5,000 00	—	—
Supervisor of Primary Schools.....	2,800 00	—	—
Supervisor of Kindergartens.....	2,800 00	—	—
Business Agent.....	3,750 00	—	—
Superintendent of School Buildings and Grounds	3,150 00	—	—
Clerks.....	15,020 38	—	—
Storekeeper.....	1,664 00	—	—
Attendance Officers.....	17,650 00	—	—
Test and Measurements.....	500 00	—	—
Total.....	\$1,402,658 40	15,309	\$91 62
Cost of instruction in the Evening Industrial School.....			\$8,477 58
Cost of instruction in the Evening Freehand Drawing School.....			189 00
Cost of instruction in the Evening Elementary Schools.....			11,224 00
Cost of instruction in the Evening Trade School for Girls.....			1,957 37
Cost of instruction in the Evening High School.....			6,073 00
Total.....			\$22,920 95
Cost of instruction in Vacation High School.....			\$6,835 00
Cost of instruction in Americanization.....			6,234 00
Cost of instruction in Vacation Open Air Camps.....			15,231 50

COST OF INSTRUCTION IN THE DAY SCHOOLS

*Salaries of Teachers, Superintendents, Supervisors, Agent, Clerks,
and Truant Officers*

YEAR	Number of Teachers in December	Number of Pupils in December	Average Number of Pupils for Year ending in June	Total Cost	Cost per Pupil
1920.....	517	15,669	15,085	\$934,611 06	\$61 96
1921.....	538	16,536	15,385	976,154 94	63 44
1922.....	568	16,773	16,092	1,008,953 06	62 69
1923.....	561	16,818	16,123	1,139,397 99	70 66
1924.....	581	16,463	16,375	1,161,322 26	70 98
1925.....	587	16,564	16,162	1,178,596 17	72 92
1926.....	616	16,352	16,064	1,255,796 99	78 17
1927.....	611	16,108	16,088	1,305,426 36	81 21
1928.....	609	15,747	15,689	1,340,153 39	85 47
1929.....	623	15,593	15,309	1,402,658 40	91 62

COST OF THE DAY SCHOOLS

*Cost of Instruction, of Textbooks and Supplies, of Incidental Expenses, of
the Care of Truants, of the Care of Schoolhouses, and of the
Transportation of Pupils, but not including Repairs*

YEAR	Number of Teachers in December	Number of Pupils in December	Average Number of Pupils for Year ending in June	Total Cost	Cost per Pupil
1920.....	517	15,669	15,085	\$1,190,899 07	\$78 96
1921.....	538	16,536	15,385	1,201,043 38	78 06
1922.....	568	16,773	16,092	1,233,345 66	76 64
1923.....	561	16,818	16,123	1,384,570 78	85 87
1924.....	581	16,463	16,375	1,401,345 17	85 58
1925.....	587	16,564	16,162	1,453,326 52	89 92
1926.....	616	16,352	16,064	1,546,169 47	96 29
1927.....	611	16,108	16,088	1,627,409 08	101 16
1928.....	609	15,747	15,689	1,713,253 68	109 20
1929.....	623	15,593	15,309	1,807,840 36	118 09

COST OF INSTRUCTION IN THE EVENING SCHOOLS

YEAR	Drawing	Industrial	High	Elementary	Total
1924.....	\$842 00 ¹	\$6,505 15 ¹	\$3,816 00	\$13,654 00	\$24,817 15 ¹
1925.....	682 50 ²	4,552 90 ²	2,905 00	8,975 00	17,115 40 ²
1926.....	1168 00 ³	5,718 50 ³	4,061 00	12,829 00	23,776 50 ³
1927.....	781 50 ⁴	6,289 50 ⁴	5,181 00	13,616 00	25,868 00 ⁴
1928.....	634 50 ⁵	5,158 50 ⁵	4,491 00	10,415 00	20,699 00 ⁵
1929.....	765 00 ⁶	5,421 00 ⁶	6,073 00	10,871 50	23,130 50 ⁶

GENERAL STATISTICS

Population of Cambridge

1885.....	59,600	1910.....	104,391
1895.....	81,643	1915.....	108,822
1905.....	97,434	1920.....	109,646
1925.....			120,053

Schools and Classrooms, December, 1929

High and Latin School ⁷	1	Classrooms in use.....	60
Rindge Technical School ⁸	1	Classrooms in use.....	36
High Schools Annex	1	Classrooms in use.....	3
Continuation School.....	1	Classrooms in use.....	8
Elementary Schools ⁹	25	Classrooms in use.....	341
Kindergartens.....	19	Classrooms in use.....	19
Evening Industrial School.....	1	Classrooms in use.....	9
Evening Drawing Schools.....	2	Classrooms in use.....	3
Evening High School.....	1	Classrooms in use.....	15
Evening Elementary Schools.....	7	Classrooms in use.....	59
Evening Trade School.....	1	Classrooms in use.....	7
Whole number of Day Schools.....			28
Whole number of classrooms for Day Schools.....			467
Whole number of Evening Schools.....			10
Whole number of classrooms for Evening Schools.....			94

¹ This amount includes \$462.00 received from Smith-Hughes Fund.
² This amount includes \$579.31 received from Smith-Hughes Fund.
³ This amount includes \$744.82 received from Smith-Hughes Fund.
⁴ This amount includes \$700.91 received from Smith-Hughes Fund.
⁵ This amount includes \$687.17 received from Smith-Hughes Fund.
⁶ This amount includes \$562.05 received from Smith-Hughes Fund.
⁷ This school occupies two buildings and has assembly halls, libraries, lecture rooms, recitation rooms, chemical and physical laboratories, a drawing room and a gymnasium.
⁸ This school occupies three buildings, and has an assembly hall, drawing rooms, recitation rooms, chemical, electrical and physical laboratories, and rooms for various kinds of shop work.
⁹ Sixteen of these schools have assembly halls.

NUMBER OF TEACHERS IN THE DAY SCHOOLS

DECEMBER	High and Latin School	Rindge Technical School	Elemen- tary Schools	Kinder- gartens	Continu- ation School	Directors and Special Teachers	Total
1925.....	105	47	358	37	8	32	587
1926.....	111	46	375	41	8	34	615
1927.....	113	48	371	37	8	34	611
1928.....	117	49	363	38	8	34	609
1929.....	124	50	373	35	7	34	623

ATTENDANCE AT ALL THE DAY SCHOOLS

YEAR	NUMBER REGISTERED			Average Number Belonging	Average Daily Attend- ance	Per Cent of Attend- ance
	Boys	Girls	Total			
1925.....	9,181	8,598	17,779	16,162	14,834	91.7
1926.....	9,201	8,691	17,892	16,064	14,967	93.1
1927.....	9,013	8,575	17,588	16,088	14,929	92.7
1928.....	8,716	8,307	17,023	15,689	14,549	92.7
1929.....	8,749	8,181	16,930	15,309	14,328	93.6

ATTENDANCE AT THE HIGH AND LATIN SCHOOL

YEAR	NUMBER REGISTERED			Average Number Belonging	Average Daily Attend- ance	Per Cent of Attend- ance
	Boys	Girls	Total			
1925.....	1,092	1,741	2,833	2,533	2,325	92.6
1926.....	1,083	1,792	2,875	2,554	2,433	95.4
1927.....	1,025	1,806	2,831	2,620	2,458	93.5
1928.....	970	1,859	2,829	2,585	2,456	95.0
1929.....	936	1,779	2,715	2,563	2,377	92.7

ATTENDANCE AT THE RINDGE TECHNICAL SCHOOL

YEAR	Number of Pupils Registered	Average Number Belonging	Average Daily Attendance	Per Cent of Attendance
1925.....	921	798	731	91.5
1926.....	917	790	714	90.3
1927.....	947	827	758	91.6
1928.....	958	883	808	91.5
1929.....	1,023	921	849	92.1

ATTENDANCE AT THE GRAMMAR SCHOOLS

YEAR	NUMBER REGISTERED			Average Number Belonging	Average Daily Attendance	Per Cent of Attendance
	Boys	Girls	Total			
1925.....	3,793	3,736	7,529	6,898	6,570	95.2
1926.....	3,835	3,799	7,720	7,126	6,726	94.3
1927.....	3,746	3,688	7,434	6,905	6,518	94.4
1928.....	3,641	3,449	7,090	6,701	6,360	96.4
1929.....	3,619	3,369	6,988	6,406	6,218	97.0

ATTENDANCE AT THE PRIMARY SCHOOLS

YEAR	NUMBER REGISTERED			Average Number Belonging	Average Daily Attendance	Per Cent of Attendance
	Boys	Girls	Total			
1925.....	2,892	2,614	5,506	5,141	4,564	88.7
1926.....	2,757	2,538	5,295	4,643	4,352	93.7
1927.....	2,665	2,431	5,096	4,745	4,327	91.1
1928.....	2,583	2,332	4,915	4,578	4,121	90.0
1929.....	2,559	2,390	4,949	4,452	4,082	91.7

ATTENDANCE AT THE KINDERGARTENS

YEAR	NUMBER REGISTERED			Average Number Belonging	Average Daily Attendance	Per Cent of Attendance
	Boys	Girls	Total			
1925.....	483	507	990	792	644	81.3
1926.....	609	562	1,171	951	742	78.0
1927.....	630	650	1,280	983	868	88.3
1928.....	564	667	1,231	942	804	85.4
1929.....	612	643	1,255	967	802	82.9

NUMBER OF PUPILS ADMITTED TO THE LOWEST GRADE OF THE HIGH
AND LATIN SCHOOL

SEPTEMBER	Boys	Average Age		Girls	Average Age
1925.....	266	13 years	8 months	486	14 years 1 month
1926.....	300	14 years	3 months	573	14 years 1 month
1927.....	277	13 years	7 months	559	13 years 10 months
1928.....	238	14 years	3 months	540	14 years 3 months
1929.....	256	13 years	11 months	586	14 years 1 month

NUMBER OF PUPILS GRADUATED FROM THE HIGH AND LATIN SCHOOL

YEAR	Boys	Average Age	Girls	Average Age
1925.....	167	17 years 8 months	255	17 years 6 months
1926.....	135	18 years 1 month	274	18 years 0 month
1927.....	159	17 years 5 months	225	17 years 9 months
1928.....	164	17 years 9 months	275	18 years 1 month
1929.....	130	17 years 10 months	264	18 years 1 month

NUMBER OF PUPILS ADMITTED TO THE LOWEST GRADE OF THE RINDGE TECHNICAL SCHOOL, WITH THE NUMBER OF GRADUATES

SEPTEMBER	Admitted	Average Age	Graduated in June	Average Age
1925.....	398	14 years 9 months	93	18 years 2 months
1926.....	423	14 years 8 months	95	18 years 2 months
1927.....	476	14 years 5 months	119	18 years 3 months
1928.....	463	14 years 10 months	92	18 years 4 months
1929.....	504	14 years 8 months	113	18 years 2 months

NUMBER OF PUPILS GRADUATED FROM THE GRAMMAR SCHOOLS

JUNE	Boys	Average Age	Girls	Average Age
1925.....	515	14 years 4 months	494	14 years 3 months
1926.....	525	14 years 3 months	564	14 years 1 month
1927.....	510	14 years 3 months	559	14 years 2 months
1928.....	508	14 years 4 months	533	14 years 1 month
1929.....	569	14 years 4 months	557	14 years 1 month

NUMBER OF PUPILS COMPLETING THE PRIMARY COURSE OF STUDY

YEAR	Boys	Average Age	Girls	Average Age
1925.....	709	9 years 4 months	659	9 years 3 months
1926.....	666	9 years 7 months	673	9 years 2 months
1927.....	661	9 years 5 months	597	9 years 2 months
1928.....	508	9 years 4 months	570	9 years 4 months
1929.....	581	9 years 8 months	545	9 years 8 months

LENGTH OF TIME IN COMPLETING THE COURSE OF STUDY IN THE GRAMMAR SCHOOLS

YEAR	In Four Years or Less	In Five Years	In Six Years	In More than Six Years
1925.....	8 per cent	66 per cent	20 per cent	6 per cent
1926.....	9 per cent	70 per cent	18 per cent	3 per cent
1927.....	12 per cent	65 per cent	19 per cent	4 per cent
1928.....	7 per cent	69 per cent	21 per cent	3 per cent
1929.....	7 per cent	67 per cent	22 per cent	4 per cent

LENGTH OF TIME IN COMPLETING THE COURSE OF STUDY IN THE PRIMARY SCHOOLS

YEAR	In Less than Three Years	In Three Years	In Four Years	In More than Four Years
1925.....	2 per cent	56 per cent	29 per cent	13 per cent
1926.....	1 per cent	59 per cent	28 per cent	13 per cent
1927.....	1 per cent	57 per cent	29 per cent	12 per cent
1928.....	3 per cent	59 per cent	25 per cent	13 per cent
1929.....	2 per cent	63 per cent	23 per cent	12 per cent

NUMBER OF PUPILS IN THE HIGH AND LATIN SCHOOL, DECEMBER, 1929

YEAR	Boys	Girls	Total	Per Cent
Post Graduate.....	47	24	71	.027
Twelfth.....	191	297	488	.185
Eleventh.....	212	320	532	.201
Tenth.....	257	463	720	.273
Ninth.....	249	580	829	.314
Total.....	956	1,684	2,640	—

NUMBER OF PUPILS IN THE RINDGE TECHNICAL SCHOOL, DECEMBER, 1929

(This school is for boys only. It became a part of the public system January 1, 1899)

YEAR	Boys	Per Cent
Post Graduate.....	18	.018
Twelfth.....	116	.115
Eleventh.....	184	.182
Tenth.....	250	.247
Ninth.....	444	.438
Total.....	1,012	—

NUMBER OF PUPILS IN THE GRAMMAR SCHOOLS, DECEMBER, 1929

YEAR	Boys	Girls	Total	Per Cent
Eighth.....	556	509	1,065	.171
Seventh.....	638	607	1,245	.199
Sixth.....	674	665	1,339	.214
Fifth.....	709	624	1,333	.213
Fourth.....	642	627	1,269	.203
Total.....	3,219	3,032	6,251	—

NUMBER OF PUPILS IN THE PRIMARY SCHOOLS, DECEMBER, 1929

YEAR	Boys	Girls	Total	Per Cent
Third.....	722	672	1,394	.301
Second.....	765	705	1,470	.318
First.....	924	837	1,761	.381
Total.....	2,411	2,214	4,625	—

NUMBER OF PUPILS AND TEACHERS IN THE KINDERGARTENS

YEAR	Boys	Girls	Total	Number of Teachers
1925.....	525	496	1,021	37
1926.....	572	591	1,163	41
1927.....	512	581	1,093	37
1928.....	529	563	1,092	38
1929.....	549	516	1,065	35

NUMBER OF AGE AND SCHOOLING CERTIFICATES ISSUED

1924	1925	1926	1927	1928	1929
1,267 4,211 ¹	1,412 4,863 ¹	1,069 4,852 ¹	1,011 4,299	1,302 4,635	1,084 4,933 ¹

¹ Issued to minors over sixteen years of age.

SUMMARY

Number of Pupils Belonging in December, 1929

Number of pupils in the High and Latin School.....	2,640
Number of pupils in the Rindge Technical School.....	1,012
Number of pupils in the Grammar Grades.....	5,974
Number of pupils in the Primary Grades.....	4,375
Number of pupils in the Kindergarten.....	1,065
Number of pupils in the Open Air Classes.....	214
Number of pupils in Special Classes.....	216
Number of pupils in the Ungraded Classes.....	97
Number of pupils in the public schools, December, 1929.....	15,593
Number of pupils in the public schools, December, 1928.....	15,747
Decrease of pupils, December, 1929	154
Increase of pupils, 1919.....	153
Decrease of pupils, 1920.....	62
Increase of pupils, 1921.....	867
Increase of pupils, 1922.....	237
Increase of pupils, 1923.....	45
Decrease of pupils, 1924	355
Increase of pupils, 1925.....	101
Decrease of pupils, 1926.....	212
Decrease of pupils, 1927.....	244
Decrease of pupils, 1928	361
Decrease of pupils, 1929.....	154

NUMBER OF PUPILS REGISTERED IN THE EVENING DRAWING SCHOOLS,
WITH THE AVERAGE ATTENDANCE

	1926-1927	1927-1928	1928-1929	1929-1930
Number registered.....	61	58	66	78
Average attendance.....	37	27	31	39

NUMBER OF PUPILS REGISTERED IN THE EVENING INDUSTRIAL SCHOOL, WITH THE AVERAGE ATTENDANCE

	1926-1927	1927-1928	1928-1929	1929-1930
Number registered.....	408	351	452	383
Average attendance.....	167	164	193	190

NUMBER OF PUPILS REGISTERED IN THE EVENING HIGH SCHOOL, WITH THE AVERAGE ATTENDANCE

	1926-1927	1927-1928	1928-1929	1929-1930
Number registered.....	626	775	805	996
Average attendance.....	368	412	476	457

NUMBER OF PUPILS REGISTERED IN THE EVENING ELEMENTARY SCHOOLS, WITH THE AVERAGE ATTENDANCE¹

	1926-1927	1927-1928	1928-1929	1929-1930
Number registered.....	1,535	1,303	1,464	1,437
Average attendance.....	713	679	736	758

¹ Including the Evening Trade School for Women.

STATISTICS FOR BOYS' CONTINUATION SCHOOL

Number enrolled to January 1.....	329
Number returned to regular schools.....	23
Number discharged by reaching sixteenth birthday to January 1.....	122
Number discharged to other towns to January 1.....	85
Number of full-time pupils on January 1.....	4

Number of Boys in Each Grade, Enrolled to January 1

Grade 5.....	9
Grade 6.....	19
Grade 7.....	66
Grade 8.....	104
High School.....	131
Average grade of total enrollment for 1929.....	8.1

STATISTICS FOR GIRLS' CONTINUATION SCHOOL

Number enrolled to January 1	472
Number returned to regular schools	12
Number discharged by reaching sixteenth birthday to January 1	177
Number discharged to other towns to January 1	80
Number of full-time pupils on January 1	8

Number of Girls in Each Grade, Enrolled to January 1

Grade 4	6
Grade 5	9
Grade 6	49
Grade 7	97
Grade 8	112
High School	199
Average grade of total enrollment for 1929	8.0

VACATION SCHOOLS

FRESH POND DAY CAMP, JULY, 1929 TO AUGUST, 1929
(At the Haggerty School Building)

Statistics

Number enrolled	633
Average number belonging	597
Average number attending	518
Number of days school was in session	20
Per cent of attendance	87

CENTRAL DAY CAMP, JULY, 1929 TO AUGUST, 1929
(At the High and Latin School Building)

Statistics

Number enrolled	576
Average number belonging	550
Average number attending	455
Number of days school was in session	20
Per cent of attendance	83

ST. MARY'S DAY CAMP, JULY 8, 1929 TO AUGUST 2, 1929
(At St. Mary's Gymnasium)

Number enrolled	175
Average number belonging	161
Average number attending	141
Per cent of attendance	87

WYMAN DAY CAMP
(Wyman Open Air School Building)

Number enrolled	282
Average number belonging	225
Average number attending	203
Per cent of attendance	91

VACATION SCHOOLS — Concluded

DAY'S PROGRAM FOR THE DAY CAMPS

A.M.

- 8.45 Children meet group teacher at starting point for transportation to the school
 9.30 Opening of school; roll call.
 9.35 Assembly exercises; setting-up drill; corrective gymnastics; baths.
 10.00 Morning lunch of crackers and milk.
 10.05 Bird walks, nature trips, supervised play.
 11.30 Rest period in grove.

P.M.

- 12.10 Wash-up period.
 12.20 Dinner.
 1.20 Tooth brush drill.
 1.40 Short rest period in grove.
 2.00 Games, walks, etc., in park.
 2.45 Shower baths at school.
 3.00 Grouping for transportation.
 3.15 Afternoon lunch of crackers and milk.
 3.30 Dismissal (children accompanied on homeward trip by teacher).

A vacation school was also opened in the English High Building for the benefit of the pupils of the freshman and sophomore classes who failed of promotion. The school opened on July 8, and continued until August 9. Six hundred and twenty-seven pupils were registered under the charge of fifty-three teachers. The average attendance for the five weeks was five hundred and twenty-one.

ATTENDANCE AT THE EVENING SCHOOLS, 1929-1930

SCHOOLS	NUMBER REGISTERED			Average Number Belonging	Average Attend- ance	Per Cent of Attend- ance
	Males	Females	Total			
Rindge Industrial Classes	305	—	305	187	151	81
Mechanical Drawing Classes . . .	61	—	61	42	33	79
Freehand Drawing Classes	17	—	17	9	6	67
Evening High School	435	561	996	628	457	73
Ellis School	53	31	84	62	54	87
Haggerty School	36	113	149	86	62	72
Kelley School	105	179	284	179	143	80
Putnam School	66	49	115	106	92	87
Roberts School	87	78	165	106	81	76
Thorndike School	142	73	215	141	115	82
Webster School	86	130	216	156	123	72
Women's Practical Arts School .	—	209	209	114	88	77
Total	1,393	1,423	2,816	1,816	1,405	77

COST OF THE EVENING SCHOOLS, 1929-1930

SCHOOLS	Salaries of Teachers	Cost of Janitor Service	Cost of Text-books and Supplies	Total	Cost per Pupil
Rindge Industrial Classes....	\$2,939 50	\$593 50	\$445 47	\$3,978 47	\$21 28
Mechanical Drawing Classes.	538 08	111 00	113 26	762 34	18 15
Freehand Drawing Classes...	189 00	42 00	6 37	237 37	26 37
Evening High School.....	6,073 00	889 75	39 34	7,002 09	11 15
Ellis School.....	779 00	134 00	6 20	919 20	14 83
Haggerty School.....	1,112 00	151 00	18 60	1,281 60	14 90
Kelley School.....	2,087 50	186 00	24 21	2,297 71	12 84
Putnam School.....	1,471 50	184 50	13 08	1,669 08	15 75
Roberts School.....	1,430 00	250 00	14 83	1,694 83	15 99
Thorndike School.....	1,495 00	301 00	44 64	1,840 64	13 05
Webster School.....	1,832 50	327 00	—	2,159 50	13 84
Women's Practical Arts School	1,957 37	224 40	114 30	2,296 07	20 14
Music.....	164 00	—	—	164 00	—
Americanization Classes....	3,086 00	464 25	8 80	3,559 05	5 59
Agassiz Center.....	352 50	—	—	352 50	—
Director.....	500 00	—	—	500 00	—
Total.....	\$26,006 95	\$3,858 40	\$849 10	\$30,714 45	\$16 91

NUMBER OF ASSISTANT TEACHERS IN THE EVENING SCHOOLS, 1929-1930

SCHOOLS	AVERAGE NUMBER OF ASSISTANT TEACHERS	
	1928-1929	1929-1930
Rindge Industrial Classes.....	16	13
Rindge Drawing Classes.....	3	3
Freehand Drawing Classes.....	1	1
Evening High School.....	28	30
Ellis School.....	6	4
Haggerty School.....	7	8
Kelley School.....	14	15
Putnam School.....	8	9
Roberts School.....	10	8
Thorndike School.....	9	10
Webster School.....	11	9
Women's Practical Arts School.....	10	10
Total.....	123	120

NUMBER OF GRADUATES IN THE EVENING SCHOOLS, 1929-1930

SCHOOLS	NUMBER OF GRADUATES	
	1928-1929	1929-1930
Rindge Industrial Classes.....	19	19
Mechanical Drawing Class.....	6	0
Freehand Drawing Class.....	1	1
Evening High School.....	126	104
Ellis School.....	15	18
Haggerty School.....	14	9
Kelley School.....	14	16
Putnam School.....	31	22
Roberts School.....	10	18
Thorndike School.....	4	—
Webster School.....	19	25
Total.....	259	232

ATTENDANCE AT THE STATE-AIDED CLASSES, 1929-1930

SCHOOLS	NUMBER REGISTERED			Average Number Belonging	Average Attend- ance	Per Cent of Attend- ance
	Males	Females	Total			
Rindge School:						
a. Industrial Classes ..	305	—	305	187	151	81
b. Drawing Classes ...	78	—	78	51	39	77
Rindge School Totals ...	383	—	383	238	190	80
Practical Arts.....	—	209	209	114	88	77
Total.....	383	209	592	352	278	79

ATTENDANCE AT THE INDUSTRIAL CLASSES, 1929-1930
(For women in the elementary schools)

SCHOOLS	Number Registered	Average Number Belonging	Average Attendance	Per Cent of Attendance
Ellis School.....	16	13	10	77
Haggerty School.....	74	40	28	70
Kelley School.....	103	86	71	83
Roberts School.....	31	23	16	70
Thorndike School.....	67	58	42	72
Webster School.....	56	35	28	80
Total.....	347	255	195	77

BUILDINGS USED FOR EVENING SCHOOL PURPOSES

SCHOOLS	CLASSES
Rindge School:	
<i>a.</i> Industrial Classes.....	Woodwork, ironwork, printing, mechanical drawing, architectural drawing, electricity, estimating, gas engine and auto repair work.
<i>b.</i> Drawing Classes.....	Freehand drawing.
High School.....	Academic, commercial.
Ellis, Haggerty, Kelley, Putnam, Roberts, Thorndike, Webster Schools.....	English for foreigners, grammar school work, dressmaking, embroidery, civil service.
Women's Practical Arts School.....	Cooking, embroidery, sewing, millinery.

SIGHT AND HEARING TESTS

	1925	1927	1928	1929
Number enrolled.....	16,141	15,354	15,721	15,309
Number defective in sight.....	1,447	1,515	1,598	1,374
Number defective in hearing.....	312	221	253	256
Number of parents notified.....	1,594	1,396	1,449	1,445

SUMMARY OF THE ATTENDANCE OFFICERS' REPORTS, SEPTEMBER, 1928,
TO SEPTEMBER, 1929

Number of absences investigated.....	16,846
Truancy, first offence.....	710
Truancy, third offence.....	134
Children found wandering about the streets not belonging to any school...	74
Such children sent to school.....	63
Visits to mercantile and manufacturing establishments.....	605
Children employed without certificates.....	68

CONTAGIOUS DISEASES REPORTED TO THE SCHOOLS BY THE ATTENDANCE
OFFICERS, JANUARY 1, 1929, TO JANUARY 1, 1930

Encephalitis lethargica.....	3
Influenza.....	802
Lobar pneumonia.....	214
Chicken pox.....	492
Diphtheria.....	141
Measles.....	501
Mumps.....	346
Scarlet fever.....	178
Whooping cough.....	564
German measles.....	106
Infantile paralysis.....	7
Cerebrospinal meningitis.....	5
Septic sore throat.....	9
Typhoid fever.....	11
Total.....	3,379

STATISTICS OF THE PRIVATE AND PAROCHIAL SCHOOLS TAKEN BY THE
ATTENDANCE OFFICERS, OCTOBER 1, 1929

Ten Parochial Schools, with an enrollment of.....	7,278
Eight Private Schools, with an enrollment of.....	471
Total.....	7,749

TABULAR VIEW

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
HIGH AND LATIN SCHOOL			
Leslie L. Cleveland.....	Headmaster.....	Williams College, A.B....	Jan. 1910
Thomas L. Bramhall.....	Assistant Headmaster	Harvard University, A.B.	Sept. 1910
Timothy F. Downey.....	Assistant Headmaster	Harvard University, A.B. (Special Courses)	Sept. 1912
Chester M. Bliss.....	Master.....	Amherst College, A.B., A.M.....	Sept. 1907
James H. Leonard.....	Master.....	Harvard University, A.B. (Special Courses)	Sept. 1915
Elizabeth M. Driscoll....	Dean.....	Boston University, A.B., (Special Courses)	Mar. 1914
Ethel G. McElroy.....	Dean.....	Radcliffe College, A.B., A.M., (Special Courses) .	Sept. 1911
Mary E. Murray.....	Dean.....	Radcliffe College, A.B., Harvard University, Ed.M.....	Sept. 1908
Hilda Russell.....	Dean.....	Wellesley College, A.B., (Special Courses*)	Sept. 1912
Anna P. Butler.....	Headmaster's Assistant	Trinity College, A.B., Boston University, A.M.* (Special Courses)	Sept. 1909
George H. Cain.....	Headmaster's Assistant	Potomac College, A.B., (Special Courses)	Sept. 1909
Joseph A. Donovan.....	Headmaster's Assistant	Mass. Inst. of Tech., S.B.	Sept. 1923
Mabel A. Harrington....	Headmaster's Assistant	North Adams Normal School (Special Courses)	April 1920
Henrietta E. McIntire ..	Headmaster's Assistant	Radcliffe College, A.B., A.M.....	Sept. 1891
Albert M. Sateriale	Headmaster's Assistant	Harvard University, A.B.	Jan. 1921
Madeline L. Slade.....	Headmaster's Assistant	Salem Normal School (Special Courses)	Sept. 1917
Cecil T. Derry†.....	Master's Assistant ...	Harvard University, A.B., A.M., (Special Courses)	Oct. 1905
Mary C. Hardy.....	Master's Assistant ...	Smith College, A.B.....	Dec. 1891
Lillian R. Hartigan.....	Master's Assistant ...	Emerson College of Ora- tory,* (Special Courses)	June 1915
Helen F. Morton‡.....	Master's Assistant....	Massachusetts Normal Art School (Special Courses)	April 1914
Mary V. Ayers.....	Teacher.....	Emmanuel College, A.B., A.M.	Sept. 1929
Alice C. Baldwin.....	Teacher.....	Wellesley College, A.B., Columbia University, A.M., (Special Courses)	Sept. 1895
Margaret M. Ball.....	Teacher.....	Lawrence University, Wis., A.B., (Special Courses) .	Feb. 1912
Mary E. Barry.....	Teacher.....	Boston University, B.S.E. (Special Courses)	Sept. 1928
Mary J. Barry.....	Teacher.....	Emmanuel College, A.B.	Sept. 1929

* Attended the Wellington Training School.
† Resigned June, 1911, and reappointed September, 1912.
‡ On leave of absence.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
HIGH AND LATIN SCHOOL — Con.			
Mary P. Bligh.....	Teacher.....	Westfield Normal School Boston University, B.S. in Ed.....	Oct. 1924
Margaret S. Bradbury...	Teacher.....	Radcliffe College, A.B.,* (Special Courses).....	Jan. 1902
Mary R. Breau.....	Teacher.....	Framingham Normal School, (Special Courses)	Jan. 1924
Alice M. Brown.....	Teacher.....	Boston Normal School of Gymnastics.....	Sept. 1910
Natalie A. Browning...	Teacher.....	Radcliffe College, A.B. (Special Courses).....	Sept. 1916
Theresa A. Buckley	Teacher.....	Emmanuel College, A.B., (Special Courses).....	Sept. 1929
Katharine A. Burke.....	Teacher.....	(Special Courses in Sewing)	Oct. 1907
Frank J. Carney.....	Teacher.....	Boston College, A.B., A.M.	June 1930
Ethel E. Carr.....	Teacher.....	Radcliffe College, A.B....	Sept. 1908
Georgianna G. Chafe....	Teacher.....	Radcliffe College, A.B., Boston University, A.M. Sorbonne Certificate....	Sept. 1929
Bertha L. Cogswell.....	Teacher.....	Boston University, A.B., A.M.....	Jan. 1894
Viola M. Collins.....	Teacher.....	Kindergarten Training School; (Special Courses)	Sept. 1929
Helen B. Colson.....	Teacher.....	Radcliffe College, A.B., (Special Courses).....	Sept. 1923
Bertha A. Conlan.....	Teacher.....	Bryant & Stratton (Special Courses).....	Dec. 1926
Elizabeth M. Conlin.....	Teacher.....	(Special Commercial Courses).....	Jan. 1924
Anastasia M. Connell....	Teacher.....	Simmons College, S.B.	
Katharine F. Connell ...	Teacher.....	Emmanuel College, A.B., (Special Courses).....	June 1930
Charles Coté.....	Teacher.....	Boston College, A.B.....	Nov. 1923
Olive L. Cox.....	Teacher.....	Boston University, B.B.A.	Jan. 1924
Grace A. Coyle.....	Teacher.....	Radcliffe College, A.B., Boston University, A.M.	Sept. 1912
Gertrude H. Crook.....	Teacher.....	Boston University, A.B., Radcliffe College, A.M...	Sept. 1896
William J. Cunningham..	Teacher.....	Harvard University, A.B.	Sept. 1927
John J. Danahy.....	Teacher.....	Boston College, A.B., (Special Courses).....	Feb. 1927
Edward J. Danehy.....	Teacher.....	Boston College, A.B., Mass.Inst.of Tech., S.B.	Sept. 1924
Florence B. Davey.....	Teacher.....	Trinity College, Washing- ton, D. C., A.B. (Special Courses).....	April 1926

* Attended the Wellington Training School.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
HIGH AND LATIN SCHOOL — Con.			
Grace E. Dennett.....	Teacher.....	Radcliffe College, A.B., A.M., Simmons College, S.B.....	Sept. 1909
Christopher E. Dinsmore	Teacher.....	Boston College, A.B., (Special Courses).....	Sept. 1929
Esther S. Dodge.....	Teacher.....	Boston University, A.B..	Oct. 1897
Ellen C. Doherty.....	Teacher.....	Radcliffe College, A.B. (Special Courses)*.....	Sept. 1915
Marjorie J. Doherty.....	Teacher.....	Notre Dame Academy (Special Courses).....	April 1926
Sarah Dolan.....	Teacher.....	Radcliffe College, A.B., A.M. (Special Courses).	Sept. 1916
Agnes G. Donovan.....	Teacher.....	Bryant & Stratton Com- mercial College (Special Courses).....	Sept. 1921
Joseph A. Donovan.....	Teacher.....	Massachusetts Institute of Technology, S.B.....	Sept. 1923
J. Louis Doyle.....	Teacher.....	Mass. Normal Art School (Special Courses).....	Sept. 1922
Lillian E. Edgerly.....	Teacher.....	Bryant & Stratton Com- mercial College (Special Courses).....	Sept. 1916
William P. Elbery	Teacher.....	Boston College, A.B. (Special Courses).....	Dec. 1926
Grace A. Fair.....	Teacher.....	Radcliffe College, A.B.; A.M.; (Special Courses)	Sept. 1929
Florence M. Feeley.....	Teacher.....	Radcliffe College, A.B.* (Special Courses).....	Sept. 1915
Sara L. Fisher.....	Teacher.....	Smith College, A.B. (Spe- cial Courses).....	Sept. 1910
Elizabeth B. Flanders...	Teacher.....	Framingham Normal School.....	Sept. 1905
Garrett D. Foley.....	Teacher.....	Boston College, A.B. (Special Courses).....	Dec. 1924
William F. Foley.....	Teacher.....	Boston College, A.B. (Special Courses).....	Sept. 1925
Margaret E. Ford.....	Teacher.....	Radcliffe College, A.B. (Special Courses).....	Oct. 1921
Mildred E. Ford.....	Teacher.....	Emerson College of Ora- tory.....	Sept. 1928
Louis N. Fougere.....	Teacher.....	Little Rock, Ark., College, A.B.....	Apr. 1924
William M. Fraser.....	Teacher.....	Colby College (Special Courses)†.....	Oct. 1928
Margaret M. Friel.....	Teacher.....	Maine State Certificate (Special Courses).....	Sept. 1925

*Attended the Wellington Training School.

† Taught previous to this and resigned.

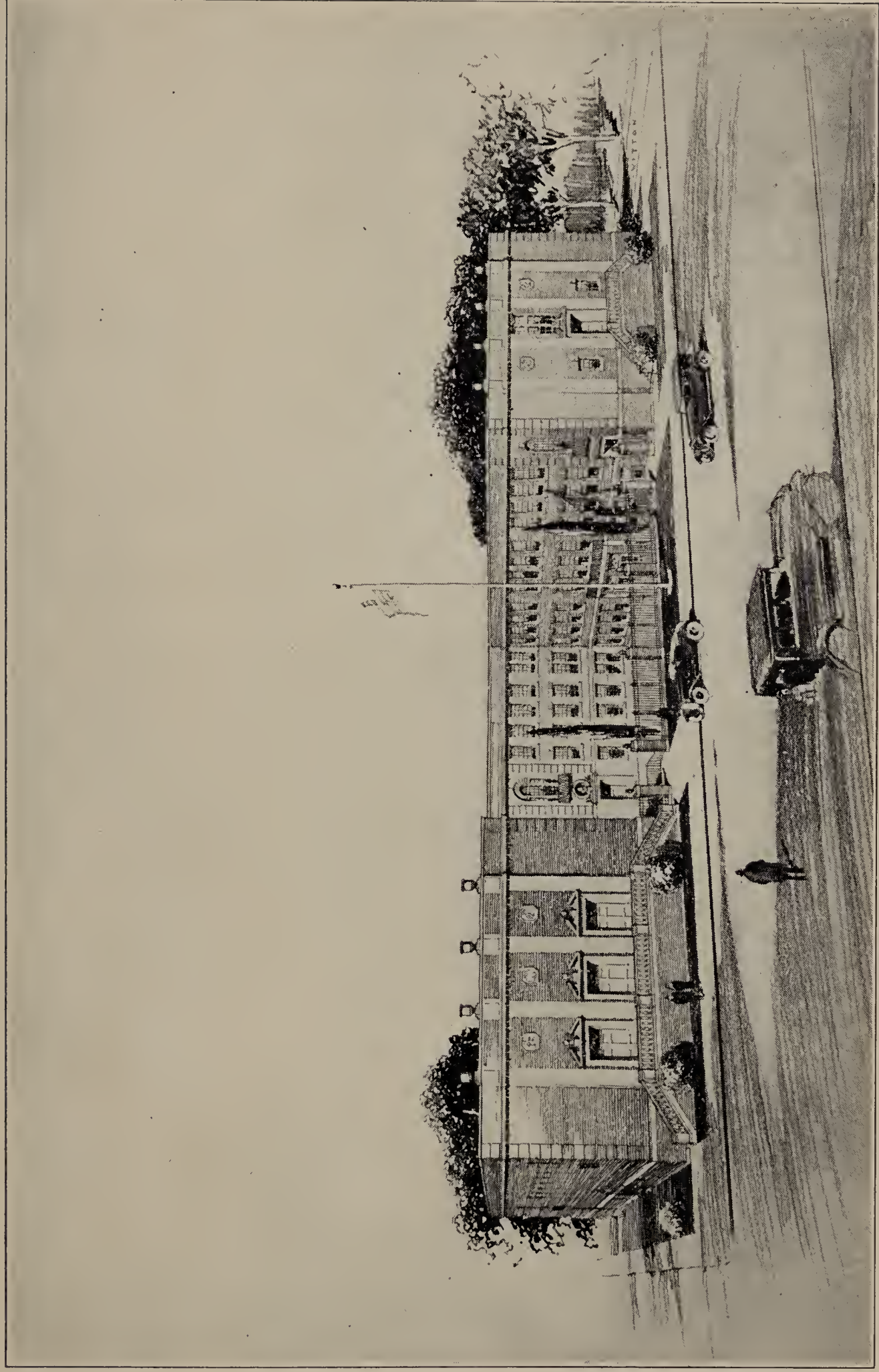
TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
HIGH AND LATIN SCHOOL — Con.			
Helen Getchell.....	Teacher.....	Boston University, A.B. (Special Courses).....	Feb. 1923
George H. Glasheen.....	Teacher.....	Boston University, B.B.A. (Special Courses).....	Oct. 1914
Josephine E. Hagarty....	Teacher.....	Bay Path Normal School, (Special Courses).....	Sept. 1918
Aileen Hagerty.....	Teacher.....	Jackson College, A.B. (Special Courses).....	Sept. 1922
H. Clayton Haley.....	Teacher.....	Boston College, A.B. (Special Courses).....	Sept. 1929
Georgia Hardy.....	Teacher.....	Private Instruction (Special Courses).....	Sept. 1922
Mary C. Hardy.....	Teacher.....	Smith College, A.B.	Dec. 1891
Charles G. Harrington...	Teacher.....	Boston College, A.B., Har- vard, M.B.A., Suffolk Law School, LL.B.....	Oct. 1924
Ruth G. Harrington.....	Teacher.....	Simmons College, S.B....	Sept. 1925
Margaret J. Herlihy	Teacher.....	Radcliffe College, A.B. (Special Courses).....	Sept. 1929
Harriet J. Hite.....	Teacher.....	Radcliffe College, A.B. (Special Courses).....	Oct. 1924
Rosemary Hogan.....	Teacher.....	Radcliffe College, A.B. (Special Courses).....	Sept. 1923
Elizabeth L. Huling.....	Teacher.....	Radcliffe College, A.B., A.M. (Special Courses)	Sept. 1905
Alice Kelley.....	Teacher.....	Radcliffe College, A.B. (Special Courses).....	April 1924
Sarah W. Kelly.....	Teacher.....	Wellesley College, A.B.	Feb. 1911
Ruth F. Keyes.....	Teacher.....	St. Elizabeth College, A.B., B.E., Boston Uni- versity, A.M. (Special Courses).....	Oct. 1924
Mary A. Lewis.....	Teacher.....	Sorbonne University (Special Courses).....	Sept. 1925
Catherine E. Lovett	Teacher.....	Boston University, B.S.S. (Special Courses).....	Sept. 1929
Margaret A. Lynch.....	Teacher.....	Boston Normal School, Boston University, B.S., in Ed., A.M. (Special Courses).....	Mar. 1926
Olive I. Lynch.....	Teacher.....	Boston University, B.S.S.	Sept. 1927
Leander MacDonald.....	Teacher.....	Bridgewater Normal School; Tufts, A.B. (Special Courses).....	Sept. 1918
Ethel M. MacLeod.....	Teacher.....	Radcliffe College, A.B. (Special Courses).....	Mar. 1906

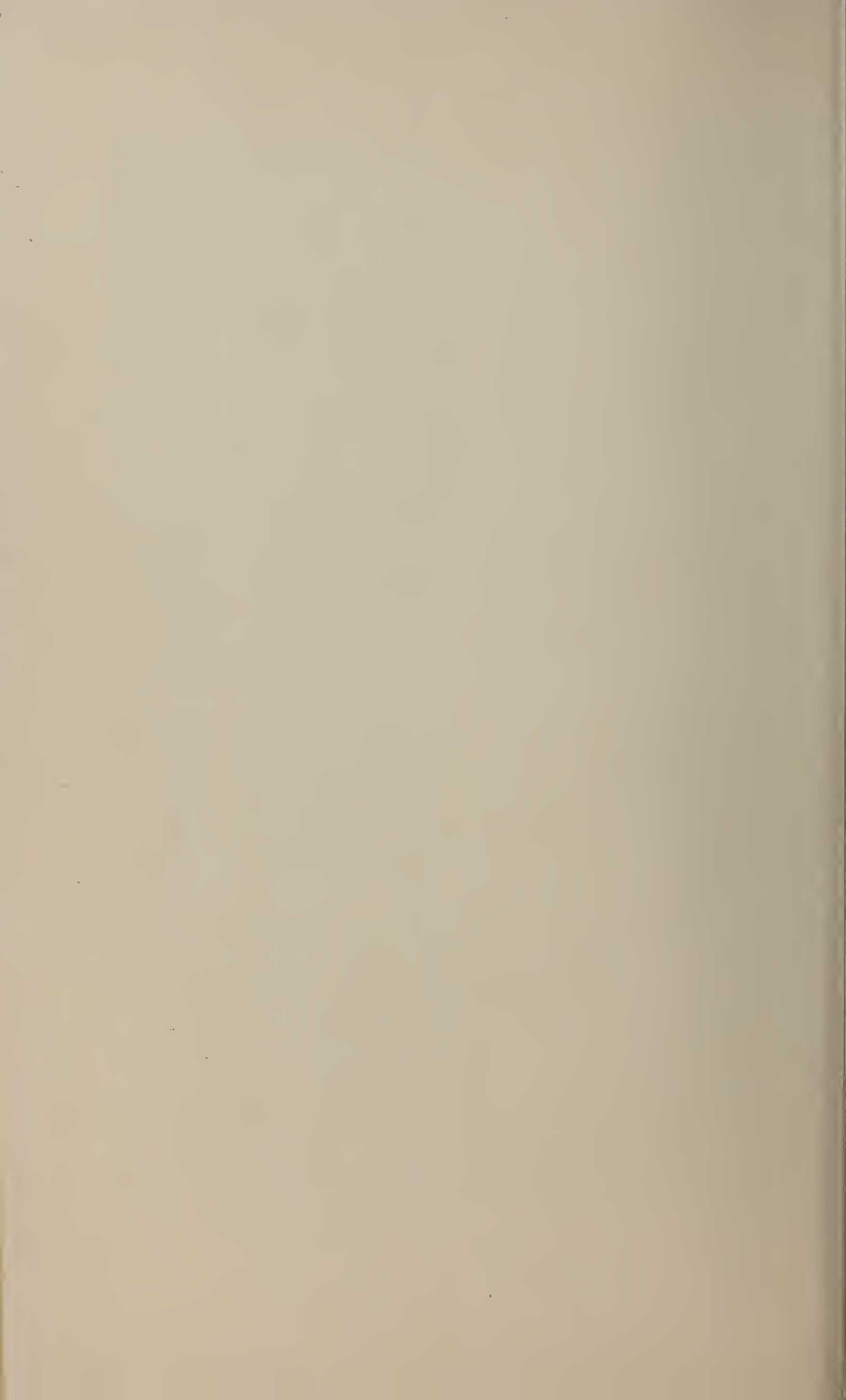
TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
HIGH AND LATIN SCHOOL — Con.			
Inez McCaffrey.....	Teacher.....	Radcliffe College, A.B., (Special Courses).....	Sept. 1915
Mary R. McCarthy.....	Teacher.....	Radcliffe College, A.B. (Special Courses).....	Sept. 1914
Mary J. McInnis.....	Teacher.....	Emmanuel College, A.B. (Special Courses).....	Sept. 1928
Jane E. McKearin.....	Teacher.....	Wellesley College, A.B.*..	Sept. 1907
Josephine A. McLaughlin	Teacher.....	Posse Normal School of Gymnastics (Special Courses).....	Oct. 1916
Loretto A. Maguire.....	Teacher.....	Lowell Normal School...	Dec. 1926
M. Gertrude Mason.....	Teacher.....	Gorham, Me., Normal School (Special Courses)	Feb. 1912
Esther L. Miles.....	Teacher.....	Mt. Holyoke College, A.B.	Sept. 1921
Clarissa Morgan.....	Teacher.....	Simmons College, B.S. (Special Courses).....	Oct. 1926
Esther E. Morse.....	Teacher.....	Boston University, A.B., A.M.; Harvard, Ed.M..	Sept. 1915
Alice Mullen.....	Teacher.....	Emmanuel College, A.B..	Sept. 1926
Josephine M. Mullins....	Teacher.....	Notre Dame Academy (Special Courses).....	April 1927
Mary G. Murphy.....	Teacher.....	Radcliffe College, A.B., Emmanuel College, Ed.M. (Special Courses)	June 1930
John R. O'Connor.....	Teacher.....	Boston College, Ph.B., Ed.M. (Special Courses).	Sept. 1927
George F. Olesen.....	Teacher.....	Boston College, A.B. (Special Courses).....	Dec. 1926
Rose G. O'Neil.....	Teacher.....	Emmanuel College, A.B. (Special Courses).....	June 1930
Maurice E. Phelan.....	Teacher.....	Harvard, S.B. (Special Courses).....	Jan. 1925
Eveline M. Quinn.....	Teacher.....	Emmanuel College, A.B. (Special Courses).....	Sept. 1926
George F. Ritter.....	Teacher.....	Boston College, A.B. (Special Courses).....	Nov. 1922
William J. Roche.....	Teacher.....	Boston College, A.B., Har- vard University, A.M., (Special Courses).....	June 1930
Eva M. Ruggli.....	Teacher.....	Radcliffe College, A.B. (Special Courses).....	Feb. 1912
Mary J. Ryan.....	Teacher.....	Lesley Normal School ...	June 1930
Ethel V. Sampson.....	Teacher.....	Radcliffe College, A.B. (Special Courses).....	Sept. 1899
Adele Schroder.....	Teacher.....	(Studied abroad; Special Courses).....	Feb. 1916

* Attended the Wellington Training School.



ARCHITECT'S DRAWING OF HENRY WADSWORTH LONGFELLOW SCHOOL



TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
HIGH AND LATIN SCHOOL — Con.			
John J. Sheehan.....	Teacher.....	Bridgewater Normal School, Boston College, Ph.B. (Special Courses).	Sept. 1920
Florence W. Smith.....	Teacher.....	Radcliffe College, A.B. (Special Courses).....	Oct. 1896
Delia M. Stickney.....	Teacher	Institute of Technology, S.B. (Special Courses) ..	Sept. 1888
Annie F. Stratton.....	Teacher.....	Radcliffe College, A.B. (Special Courses).....	Sept. 1899
Alice C. Sullivan.....	Teacher.....	Boston University, B.S.E.; Fitchburg Normal School* (Special Courses)	Nov. 1915
Joseph C. Sullivan.....	Teacher.....	Boston College, A.B.	Sept. 1923
Mary E. Sullivan.....	Teacher.....	Radcliffe College, A.B., Harvard University, Ed.M.....	Sept. 1923
Mary C. Supple.....	Teacher.....	Radcliffe College, A.B. (Special Courses).....	Sept. 1922
Clare L. Wait.....	Teacher.....	Smith College, A.B.....	Sept. 1926
Mary G. Walsh.....	Teacher.....	Emmanuel College, A.B. (Special Courses)	Sept. 1929
Mabel D. Watson.....	Teacher.....	Radcliffe College, A.B.	Sept. 1901
†Lillian A. Welsh.....	Teacher.....	Bay Path Institute.....	Sept. 1921
Katherine M. Whalen...	Teacher.....	Boston University, B.B.A. (Special Courses).....	Mar. 1924
Alice S. Willoughby.....	Teacher.....	Mass. Normal Art School (Special Courses).....	Mar. 1914
Mary Young.....	Teacher.....	Radcliffe College, A.B. (Special Courses)	Sept. 1929
Helena K. Dunn.....	Permanent Substitute	Fitchburg Normal School, Radcliffe College, A.B....	Nov. 1921
RINDGE TECHNICAL SCHOOL			
John W. Woods, Jr.....	Headmaster.....	Harvard University, S.B., Ed.M. (Special Courses)	Jan. 1899
James F. Conlin.....	Assistant Headmaster	Harvard University, A.B., A.M.....	Feb. 1905
Francis T. McCabe.....	Master.....	University of Maine, S.B., Harvard University, Ed.M.....	Sept. 1922
John J. Curry.....	Master's Assistant ...	Harvard University, S.B.	Sept. 1925
John J. Garvey.....	Master's Assistant ...	Boston College, A.B.....	Sept. 1923
Charles A. Linehan.....	Master's Assistant....	Harvard University, S.B. (Special Courses)	Sept. 1914
John Y. Murray.....	Master's Assistant....	Prince of Wales Normal School (Special Courses)	Sept. 1921
Edward A. Sullivan.....	Master's Assistant....	Boston College, A.B., A.M.	Sept. 1921

* Attended the Wellington Training School.

† On leave of absence.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
RINDGE TECHNICAL SCHOOL — Con.			
John J. Balfe.....	Teacher	Bridgewater Normal School, B.S. in Ed. (Special Courses).....	Oct. 1926
Frank H. Banks.....	Teacher.....	Common Schools.....	Sept. 1921
Caroline L. Blake.....	Teacher.....	Wheaton College, A.B. (Special Courses).....	Sept. 1894
Ingolf V. Bockmann....	Teacher.....	Norway Technical School (Special Courses).....	Feb. 1911
Edgar R. Breed.....	Teacher.....	Mass. Normal Art School, Suffolk Law School, LL.B.....	Nov. 1912
Vincent P. Burke.....	Teacher.....	Boston College, A.B. (Special Courses).....	April 1918
Mary H. Cunningham...	Teacher.....	Simmons College, S.B. (Special Courses).....	Sept. 1928
Raymond G. D'Arcy....	Teacher.....	Harvard University, A.B. (Special Courses).....	Oct. 1922
George F. Davison.....	Teacher.....	Malden High School, (Special Courses).....	April 1920
Harry R. Eaton.....	Teacher.....	Massachusetts Normal Art School (Special Courses).....	Nov. 1927
John J. Gately.....	Teacher.....	Common Schools (Special Courses).....	Sept. 1921
Walter R. Gilbert.....	Teacher.....	Somerville Latin School (Special Courses).....	Sept. 1919
Kenneth W. Goepper....	Teacher.....	Harvard College, A.B. Northeastern Law School, LL.B.....	Sept. 1922
George H. Gohlke.....	Teacher.....	University of Wisconsin, L.B.....	Sept. 1911
Walter H. Gomes.....	Teacher.....	Rindge Technical School (Special Courses).....	Mar. 1919
Evan W. Griffiths.....	Teacher.....	Harvard University, A.B., A.M., Northeastern Law School, LL.B.....	Sept. 1903
John J. Healey.....	Teacher.....	Boston College, A.B. Suffolk Law School, LL.B.	Dec. 1926
William J. Kelleher....	Teacher.....	Boston College, A.B.....	Sept. 1924
Lester W. Ladd.....	Teacher.....	Harvard University, B.A.S. (Special Courses)	Nov. 1911
Henry C. Lynch.....	Teacher.....	Harvard University, A.B. (Special Courses) Northeastern University, LL.B.	Sept. 1920
William H. Mahoney....	Teacher.....	Boston College, Ph.B., Ed.M.....	Oct. 1928
Herbert H. Marshall....	Teacher.....	Hebron Academy.....	Nov. 1911

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
RINDGE TECHNICAL SCHOOL — Con.			
James A. McDonald	Teacher	Rindge Technical School (Special Courses)	Sept. 1925
Joseph G. McKenna	Teacher	Boston College, Ph.B., M.S.	June 1930
John J. McLaughlin	Teacher	Massachusetts Normal Art School	Nov. 1927
Thomas J. McLaughlin . . .	Teacher	Rindge Technical School, Franklin Union Certificate	Sept. 1929
William P. McLaughlin . . .	Teacher	Fordham University, A.B. Northeastern Law School, LL.B.	Oct. 1921
John T. Mellen	Teacher	Rindge Evening School (Special Courses)	Nov. 1927
Wilfred J. Metivier	Teacher	Holy Cross College, A.B., Boston Normal School . .	June 1930
Saville Moore	Teacher	Common Schools (Special Courses)	April 1921
Jane O. Mosher	Teacher	Boston University, A.B.* (Special Courses)	Sept. 1911
Thomas J. Murphy	Teacher	Boston College, A.B., Notre Dame, A.M., (Special Courses)	Sept. 1927
Vincent F. O'Connell	Teacher	Boston College, A.B., A.M. (Special Courses)	June 1930
Charles L. O'Connor	Teacher	Cambridge High School, (Special Courses)	Sept. 1928
Abbott O. Paine	Teacher	Rindge Manual Training School (Special Courses)	Sept. 1915
Leverett L. Preble	Teacher	(Common Schools, Special Courses)	Sept. 1910
Charles H. Richert	Teacher	Mass. Normal Art School	Dec. 1905
Gertrude B. Rogers	Teacher	Tufts College, A.B.	Feb. 1911
Timothy J. Rvan	Teacher	Boston College, A.B.	April 1927
Raymond F. Scott	Teacher	Boston College, A.B., A.M.	Oct. 1928
Michael J. Skinner	Teacher	Common Schools (Special Courses)	Mar. 1923
William R. Wadden	Teacher	Harvard College, A.B. (Special Courses)	Sept. 1929
George A. Wickson	Teacher	Harvard College, A.B.	Sept. 1922
Edward F. Wiseman	Teacher	Tufts College, B.S.	Sept. 1927
Cornelius Sullivan	Tool Man	Common Schools	Sept. 1919
AGASSIZ SCHOOL			
H. Warren Foss	Master	Colby College, A.B. (Special Courses)	Sept. 1904
Lillian M. Cuddy	Master's Assistant	Salem Normal School* (Special Courses)	Dec. 1904

* Attended the Wellington Training School.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
AGASSIZ SCHOOL—Con.			
Susan L. Senter.....	VII.....	Medway High School*	Sept. 1898
Marietta McNamara....	VII.....	(Attended Salem Normal School, Special Courses)	Nov. 1912
Ada M. Litchfield.....	VI.....	Boston Normal School*..	May 1891
Edna M. Desellier.....	V.....	Salem Normal School (Special Courses)	Sept. 1929
Clara W. Ruggli.....	IV.....	Bridgewater Normal School,* Radcliffe College, A.A.....	Sept. 1900
Lucy A. Roper.....	III.....	Salem Normal School*...	Sept. 1907
Winifred M. Linehan....	III-II.....	Lowell Normal School (Special Courses)	Sept. 1929
Rose M. Hill.....	II.....	Kindergarten Training School*.....	Sept. 1911
Mary F. Moran.....	II.....	Lowell Normal School ...	Dec. 1927
Margaret C. Fitzgerald..	I.....	Mass. Normal Art School.	Dec. 1916
Grace C. Stedman.....	I.....	Kindergarten Training School.....	May 1896
Katherine A. Doherty...	Special Teacher.....	Worcester Normal School	June 1930
ELLIS SCHOOL			
Ernest Libby.....	Master.....	Bridgewater Normal School (Special Courses)	Sept. 1906
Katharine M. Greene....	Master's Assistant....	Salem Normal School* (Special Courses).....	Sept. 1904
Adelaide G. Bunker.....	VIII.....	Castine, Me., Normal School (Special Courses)	Nov. 1902
Mary T. Cashman.....	VII.....	Salem Normal School* (Special Courses).....	Nov. 1915
Florence M. Dudley.....	VII.....	Salem Normal School*	Dec. 1897
M. Alice Mahoney.....	VI.....	Salem Normal School*	Sept. 1916
Anna G. Scannell.....	VI.....	Salem Normal School	Sept. 1905
Zita M. Fegan.....	V.....	Woodward Institute Conn. State Cert.	Mar. 1925
Anna C. Lennon.....	IV.....	Lowell Normal School (Special Courses).....	Dec. 1926
Agnes K. Geary.....	III.....	Salem Normal School*	Jan. 1909
Esther R. Perry.....	II-I.....	Salem Normal School (Special Courses).....	Dec. 1926
Mary A. Macklin.....	Special Teacher	Salem Normal School* (Special Courses).....	Dec. 1902
James H. Foley.....	Special Teacher.....	Boston College, Ph.B. (Special Courses)	Sept. 1929
†Anna F. M. Gearon....	Special Class.....	Rhode Island Training School (Special Courses).	Jan. 1925
FELTON SCHOOL			
Carrie P. Pierce.....	Principal, III.....	Gloucester High School*	Oct. 1890
Annie M. Street.....	III.....	Westfield Normal School	Sept. 1889

* Attended the Wellington Training School.

† Resigned and was reappointed.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
FELTON SCHOOL — Con.			
Helen M. Blunt.....	II	Bridgewater Normal School.....	Sept. 1922
Edna J. Leddy.....	I.....	Lowell Normal School....	Jan. 1925
M. Frances Shea	I.....	Salem Normal School Courses in Americanization.....	June 1930
Agnes C. Doherty.....	Open Air Class.....	Kindergarten Training School*.....	Sept. 1913
Marguerite E. Brenner...	Open Air Class.....	Lowell Normal School....	Nov. 1918
Anna Belle Lowell	Special Class.....	Portland, Me., Normal School (Special Courses)	April 1898
FLETCHER SCHOOL			
George B. Colesworthy..	Master.....	Harvard College, A.B....	Sept. 1903
Nellie A. Coburn.....	Master's Assistant....	Lowell Normal School	Sept. 1901
Emma G. Wentworth....	VIII.....	Salem Normal School* (Special Courses).....	Oct. 1902
Mary D. McConologue..	VII.....	Salem Normal School....	Jan. 1924
Mae E. Sullivan.....	VI	Lowell Normal School (Special Courses).....	Nov. 1919
Gertrude M. Baker.....	VI.....	Radcliffe College, A.B.* (Special Courses).....	Sept. 1905
Helena M. Maguire.....	V.....	Salem Normal School*...	Jan. 1915
Blanche M. Gould.....	V.....	Cambridge Training School (Special Courses).	Oct. 1904
Elmira F. Hall.....	IV.....	Cambridge High School*	May 1897
Mildred A. Sullivan.....	IV.....	Fitchburg Normal School (Special Courses).....	Feb. 1923
Martha B. Perkins.....	III.....	Salem Normal School	Sept. 1904
Margaret E. Jones.....	II.....	Kindergarten Training School* (Special Courses)	Sept. 1913
Mary S. Redican.....	II.....	Kindergarten Training School.....	Sept. 1915
Ethel M. Cooper.....	I.....	Lowell Normal School (Special Courses).....	Nov. 1915
Mary P. O'Connell.....	I.....	Lowell Normal School....	Dec. 1926
Catherine F. McCann...	Special Teacher.....	Lowell Normal School (Special Courses).....	Dec. 1926
Lillian B. O'Hair.....	Special Teacher.....	Lowell Normal School ...	Sept. 1929
Mary Walsh.....	Industrial Class.....	Lowell Normal School (Special Course).....	June 1930
GANNETT SCHOOL			
Catherine L. Dinneen....	Principal.....	Salem Normal School* (Special Courses).....	Dec. 1908
Elizabeth A. Carroll....	III.....	Framingham Normal School* (Special Courses)	Jan. 1915
Julia V. Looney.....	II.....	Salem Normal School (Special Courses).....	Dec. 1919

* Attended the Wellington Training School.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
GANNETT SCHOOL—Con.			
Annie M. Billings.....	II-I	Cushing Academy (Special Courses).....	May 1893
Hilda A. Anderson.....	I.....	Salem Normal School (Special Courses).....	Sept. 1920
Dorothy E. Hayes.....	I.....	Salem Normal School.... A.M., (Special Courses) .	Dec. 1927
HAGGERTY SCHOOL			
John M. Tobin.....	Master.....	Boston College, A.B. Suffolk Law School, LL.B.....	April 1922
Clintina E. Curtis.....	Master's Assistant....	Plymouth, N. H., Normal School (Special Courses)	Dec. 1907
Katherine F. Lahiff.....	VII.....	Lowell Normal School (Special Courses)	June 1930
Anna H. McInnes	VI.....	Lowell Normal School (Course in Americaniza- tion).....	June 1930
Katharine M. Brennan ..	V.....	Bridgewater Normal School.....	Nov. 1918
Mary L. Conlin	IV.....	Lowell Normal School (Special Courses)	Sept. 1929
Julia M. Davis.....	IV.....	Baltimore High School*..	May 1900
Evelyn M. Twohig.....	III.....	Salem Normal School (Special Courses).....	Oct. 1921
Margaret M. Fitzgerald .	II.....	Lowell Normal School (Special Courses)	Sept. 1929
Mary F. Moran.....	II.....	Lowell Normal School	Sept. 1929
Mary A. O'Connor.....	II.....	Salem Normal School* (Special Courses)	Nov. 1915
Anna E. Lynch.....	I.....	Lowell Normal School....	Jan. 1919
Alice M. Doherty.....	I.....	Salem Normal School (Special Courses).....	Dec. 1926
HARVARD SCHOOL			
William L. MacGregor...	Master.....	Richmond, N. S., High School (Special Courses)	Sept. 1906
Katherine L. Carr.....	Master's Assistant....	Potsdam, N. Y., Normal School (Special Courses)	Nov. 1901
Nina L. Kendall.....	VIII.....	Randolph, Vt., Normal School (Special Courses) .	Sept. 1909
Marguerite L. Harris....	VIII.....	Framingham Normal School* (Special Courses).....	April 1914
Anna G. Bateman	VII.....	Lowell Normal School ...	June 1930
Edith L. Waugh.....	VII.....	Bridgewater Normal School (Special Courses) .	April 1921
Grace I. Nelligan.....	VII.....	Salem Normal School*....	Sept. 1911
Deborah Shore.....	VI.....	Salem Normal School....	Dec. 1927
†Elizabeth L. Setchell...	VI.....	Salem Normal School....	Sept. 1899

* Attended the Wellington Training School.

† On leave of absence.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
HARVARD SCHOOL — Con. Esther M. Spaulding.....	VI.....	Framingham Normal School* (Special Courses)	Nov. 1918
Lillian B. Dorney.....	V.....	Framingham Normal School.....	Jan. 1920
Gertrude E. Hunter.....	V.....	Framingham Normal School (Special Courses)	Sept. 1929
Helen W. Standley.....	V.....	Salem Normal School....	June 1930
Helen M. Welch.....	IV.....	Lowell Normal School (Special Courses).....	Oct. 1918
Julia T. Galvin.....	IV.....	Lowell Normal School...	Jan. 1924
May M. Strong.....	IV.....	Gloucester High School (Special Courses, Gloucester Training School) ...	May 1917
H. Maud MacLean.....	Special Teacher.....	University of New Brunswick, A.B.,* Bridgewater Normal School (Special Courses).....	Sept. 1895
HOUGHTON SCHOOL James E. White.....	Master.....	Bridgewater Normal School (Special Courses)	Jan. 1906
R. Emily Penney.....	Master's Assistant....	Salem Normal School (Special Courses*).....	June 1893
Helen M. Seils.....	VIII.....	Salem Normal School* (Special Courses).....	Mar. 1899
Hattie Shepherd.....	VII.....	Cambridge Training School (Special Courses)	Sept. 1882
Katharine F. Callahan...	VI.....	Salem Normal School*...	Nov. 1903
Dora Leadbetter.....	VI.....	Framingham Normal School, Radcliffe College A.A.....	Sept 1906
Elizabeth L. O'Brien....	VI.....	Boston Normal School..	Dec. 1925
†Winifred L. Kinsley....	V.....	Boston Normal School* ..	Sept. 1909
Lucy M. Hunter.....	V.....	Lowell Normal School...	Dec. 1926
Helen A. Guiney.....	V.....	Lowell Normal School...	April 1923
†Grace S. Beckwith.....	V.....	Westfield Normal School (Special Courses)*.....	Sept. 1904
Agnes F. Delahanty.....	IV.....	Salem Normal School....	Dec. 1924
Irene A. McCarthy.....	IV.....	Lowell Normal School...	Sept. 1920
Eileen A. Barry.....	III.....	Salem Normal School....	Jan. 1925
Mary A. Burns.....	III.....	Lowell Normal School (Special Courses)	Sept. 1929
Millie A. Isaac.....	III.....	Salem Normal School....	Sept. 1909
Jane J. White.....	III.....	Fitchburg Normal School	Sept. 1920
Gertrude M. Gorman...	II.....	Salem Normal School (Special Courses).....	Oct. 1919
Bernice M. McKeever...	II.....	Bridgewater Normal School (Special Courses)	Sept. 1922
Anna T. Guiney.....	II.....	Lowell Normal School...	Jan. 1924

* Attended the Wellington Training School.

† Taught previous to this and resigned.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
HOUGHTON SCHOOL—Con.			
Myrtle I. Moore.....	II.....	Lowell Normal School...	July 1897
Elizabeth M. Kline.....	I.....	Salem Normal School*...	Sept. 1912
Elizabeth D. Pierce.....	I.....	Kindergarten Training School.....	Sept. 1913
Agnes E. Rush.....	I.....	Lowell Normal School...	Sept. 1922
Lillian M. Tynes.....	I.....	Salem Normal School*...	Sept. 1913
Margaret F. Dwyer.....	Open Air.....	Kindergarten Training School (Special Courses)	Jan. 1914
Marv R. McLean.....	Open Air.....	Lesley Normal School ...	Dec. 1927
†Catherine M. Doran...	Special Teacher.....	Salem Normal School (Special Courses).....	Nov. 1925
Hazel L. Hunt.....	Special Teacher.....	Worcester Normal School Boston University, M.S. in Ed.....	Jan. 1924
Helen M. Lorenzen.....	Special Class.....	Lesley Normal School (Special Courses).....	Dec. 1926
KELLEY SCHOOL			
E. Joseph Goulart.....	Master.....	Hyannis Normal School (Special Courses).....	Sept. 1920
Catharine A. McLean...	Master's Assistant...	Salem Normal School*...	Oct. 1899
Emma J. Houlahan.....	VIII.....	Salem Normal School*...	Sept. 1903
Esther D. Paul.....	VII.....	Boston University, A.B.*.	Oct. 1899
Florence E. Hunter.....	VII.....	Castleton, Vt., Normal School (Special Courses)	Feb. 1900
Maude M. Dutton.....	VI.....	Bridgewater Normal School*.....	Oct. 1899
Francis X. Mahoney.....	VI.....	Boston College, Ph.B.; Ed.M.....	Dec. 1928
Ellen A. Kidder.....	VI.....	Peacham Academy* (Special Courses).....	Oct. 1890
†Fannie M. Field.....	V.....	Bridgewater Normal School (Special Courses)	Oct. 1921
Agnes M. MacLean.....	V.....	Framingham Normal School (Special Courses)	Nov. 1918
Winifred A. Briggs.....	IV.....	Gorham, Me., Normal School (Special Courses)	Sept. 1921
Olive L. Cook.....	IV.....	Framingham Normal School (Special Courses)	Apr. 1905
Ellen T. Carroll.....	III.....	Kindergarten Training School* (Special Courses)	Sept. 1907
A. Esther Murphy.....	III.....	Salem Normal School (Special Courses).....	Apr. 1923
Helena M. O'Loughlin...	II.....	Lowell Normal School* (Special Courses).....	Nov. 1915
Elizabeth M. McCann...	II.....	Salem Normal School* (Special Courses).....	April 1917
Elizabeth McLaughlin...	I.....	Lowell Normal School (Special Courses).....	Sept. 1922

* Attended the Wellington Training School.

† Taught previous to this and resigned.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
KELLEY SCHOOL — Con.			
Mary A. Maguire.....	I.....	Salem Normal School* (Special Courses).....	Sept. 1913
Ethel V. Igo.....	I.....	Lowell Normal School* (Special Courses).....	Oct. 1921
Rhea E. Webb.....	Special Class.....	Lowell Normal School (Special Courses).....	June 1930
Gertrude H. Williams....	Special Class.....	Salem Normal School (Special Courses).....	Jan. 1925
LOWELL SCHOOL			
Elizabeth J. O'Keefe....	Principal.....	Hyannis Normal School, Page Kindergarten School (Special Courses).....	Oct. 1905
Anna B. Curry.....	IV-III.....	Lowell Normal School...	Jan. 1925
Catherine A. McGuinness	II.....	New Bedford Normal and Training School.....	Dec. 1921
Eliza F. McLean.....	I.....	Sudbury High School....	Apr. 1918
MERRILL SCHOOL			
C. Florence Smith.....	Principal.....	Boston Normal School (Special Courses).....	Jan. 1888
Katherine Pendergast ...	III.....	Warren High School* (Special Courses).....	Sept. 1909
Nellie F. Walker.....	III.....	Kennebunk, Me., High School (Special Courses)	Sept. 1899
Mary A. Keohane.....	III.....	Lowell Normal School	Dec. 1927
Margaret C. Boland	II.....	Bridgewater Normal School*.....	Dec. 1916
Mary E. Mullen.....	II.....	Lowell Normal School....	Jan. 1925
Marion B. Magwire.....	I.....	Framingham Normal School* (Special Courses)	June 1894
Gertrude S. Thayer.....	I.....	Salem Normal School*...	Sept. 1903
Mary H. Deasy.....	I.....	Lowell Normal School....	Jan. 1924
Agnes M. Marchant.....	Special Teacher.....	Mt. Holyoke Seminary, Bridgewater Normal School (Special Courses)	Oct. 1894
MORSE SCHOOL			
John J. Salmon.....	Master.....	Holy Cross College, A.B., Clark University, A.M. (Special Courses).....	Sept. 1916
Elizabeth H. Richards...	Master's Assistant....	Robinson Seminary, N. H. (Special Courses).....	Jan. 1899
Anna A. O'Connell.....	VIII.....	Bridgewater Normal School (Special Courses)	Sept. 1900
Edith M. Carman.....	VII.....	Salem Normal School* (Special Courses).....	Dec. 1904
Lucy G. Lamkin.....	VII.....	Lowell Normal School (Special Courses).....	Apr. 1923

* Attended the Wellington Training School.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
MORSE SCHOOL — Con. Mary R. O'Neill.....	VI.....	Lowell Normal School (Special Courses).....	Dec. 1926
Elizabeth Burns.....	V.....	Lowell Normal School ...	Dec. 1927
Elena R. Bacigalupo.....	V.....	Lowell Normal School (Special Courses).....	Dec. 1926
Bernice M. Casey.....	V.....	Lowell Normal School (Special Courses).....	Sept. 1929
†Flora E. Parker.....	IV.....	Salem Normal School....	Oct. 1921
Ruth E. Hayes.....	IV.....	Lowell Normal School (Course in Americaniza- tion).....	June 1930
Elizabeth J. Baldwin....	III.....	Boston Normal School*..	Jan. 1886
Christina R. Denyven....	II.....	Bridgewater Normal School.....	Jan. 1887
Agnes L. Moran.....	II.....	Salem Normal School* (Special Courses).....	Sept. 1909
Anna L. Collins.....	I.....	Fitzwilliams Public School (Special Courses)	Sept. 1893
Eleanor M. O'Toole.....	I.....	Fitchburg Normal School (Special Courses).....	Nov. 1919
Mary A. O'Hare.....	Ungraded Primary ...	Salem Normal School (Special Courses).....	Dec. 1926
Esther B. Gilman.....	Special Class.....	Radcliffe College, A.B. (Special Courses).....	June 1930
PARKER SCHOOL NEWTOWNE HALL Veronica Kochanski	IV-III.....	Salem Normal School (Special Courses).....	Sept. 1929
Mary C. Nevins.....	II-I.....	Salem Normal School....	Sept. 1929
PEABODY SCHOOL Frederick B. Thompson..	Master.....	Bridgewater Normal School (Special Courses)	Nov. 1894
Frances F. Curtis.....	Master's Assistant ...	Bridgewater Normal School.....	Mar. 1898
Annie R. Sturtevant	VIII.....	Wellesley College, A.B.* (Special Courses).....	Dec. 1907
Susan C. Allison.....	VII.....	Cambridge High School*..	Sept. 1889
Lucy M. Soulee.....	VII.....	Everett High School (Special Courses).....	Sept. 1893
Bernice E. Bartlett	VI.....	Emerson College of Oratory*.....	Sept. 1907
Evelyn M. Sharkey.....	VI.....	Lowell Normal School ...	June 1930
Alice M. Gage.....	V.....	High School, Mt. Holyoke College (2 yrs.).....	Mar. 1899
†Blanche C. Trefethen...	V.....	Normal Dept., Robinson Seminary*.....	Mar. 1895
Eleanor L. Ramhofer....	IV.....	Salem Normal School*...	Sept. 1912

* Attended the Wellington Training School.

† Taught previous to this and resigned.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
PEABODY SCHOOL — Con.			
Butella E. L. Conland . . .	IV	Randolph, Vt., Normal School	Dec. 1898
Eileen F. White	III	Salem Normal School . . .	Dec. 1927
Catherine P. Lally	III	Lowell Normal School . . .	Dec. 1927
Edith F. Pulsford	II	Kindergarten Training School*	Jan. 1910
Mary H. Brooks	II	Bridgewater Normal School	Sept. 1898
Minnie H. Ketchum	I	Kindergarten Training School*	Sept. 1913
† Evelyn S. Huling	I	Kindergarten Training School*	Jan. 1924
Anna H. Welsh	Special Teacher	Clifton Springs Seminary (Special Courses), Wellesley College (2 yrs.) . . .	Sept. 1901
PUTNAM SCHOOL			
Horace E. Jacobs	Master	Brown University, A.B. (Special Courses)	Oct. 1915
Maude M. Mixer	Master's Assistant . . .	Bridgewater Normal School (Special Courses)	Sept. 1905
Sarah M. Grieves	VII	Cambridge Training School (Special Courses)	Oct. 1882
M. Rosalie Collins	VII	Lowell Normal School (Special Courses)*	Sept. 1914
Martha Chisholm	VI	Gloucester Training School (Special Courses)	Sept. 1906
Anna L. O'Connell	VI	Westfield Normal School (Special Courses)	Sept. 1929
Mildred J. Murray	V	Lowell Normal School . . .	Jan. 1925
Mary A. Carmichael	IV	Salem Normal School . . .	Feb. 1889
Agnes J. Rourke	IV	Lowell Normal School (Course in Americanization)	June 1930
Ruth H. Wadden	III	Lowell Normal School . . .	Dec. 1927
Margaret V. Ryan	II	Framingham Normal School (Special Courses)	Sept. 1929
Mary A. Rea	I	Castine, Me., Normal School (Special Courses)	Sept. 1909
Eleanor H. Macklin	Special Class	Lesley Normal School . . .	Apr. 1927
ROBERTS SCHOOL			
Martin F. O'Connor	Master	Boston College, A.B. Harvard, M.Ed.	Sept. 1914
Louise H. Griswold	Master's Assistant . . .	Terryville High School (Special Courses)	Sept. 1893
Joseph P. Flynn	Special Teacher	Boston College, A.B. (Special Courses)	June 1930

* Attended the Wellington Training School.

† Taught previous to this and resigned.

TABULAR VIEW — Continued.

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
ROBERTS SCHOOL — Con. Helen F. Moynihan.....	VII.....	Framingham Normal School (Special Courses)	Nov. 1920
Anna L. Mahony.....	VII.....	Worcester Normal School	Sept. 1922
Helen P. Zubinski.....	VI.....	Lowell Normal School...	Dec. 1926
Margaret F. Ruddick.....	VI.....	Boston Normal School (Special Courses).....	Jan. 1924
Jegnnette Connelly.....	VI.....	Lowell Normal School....	Apr. 1922
Aanela Dalton.....	V.....	Lowell Normal School (Special Courses).....	Dec. 1926
Lucy V. Guiney.....	V.....	Lowell Normal School (Special Courses).....	Dec. 1927
Anna M. Vaughan.....	V.....	Lowell Normal School (Special Courses).....	Sept. 1920
Mary R. Mooney.....	V.....	Lowell Normal School...	Dec. 1927
Anna E. Dailey.....	IV.....	Salem Normal School*... (Special Courses).....	Sept. 1910
Elzabeth H. Russell....	IV.....	Lowell Normal School...	Jan. 1924
Gertrude E. Calder.....	III.....	Lowell Normal School...	Dec. 1927
Marie M. Cloran.....	III.....	Salem Normal School (Special Courses).....	Sept. 1922
Sybil M. Cronin.....	III.....	Salem Normal School*...	Sept. 1912
Anne L. Sullivan.....	III.....	Lowell Normal School....	Dec. 1927
Ellen G. Walsh.....	II.....	Salem Normal School (Special Courses).....	Sept. 1922
Nadine F. Wright.....	II.....	Radcliffe College, A.B....	Dec. 1922
Mildred Brenner.....	II.....	Lowell Normal School...	Jan. 1925
Mary C. Ward.....	II.....	Salem Normal School*...	Mar. 1911
Anna E. Marsh.....	II.....	Lowell Normal School...	Dec. 1926
Marguerite F. Fair.....	I.....	Boston University A.B...	Dec. 1926
Katherine M. Bradley...	I.....	Salem Normal School....	Jan. 1925
Florence E. McCarthy ..	I.....	Lowell Normal School...	Jan. 1924
Ellen T. O'Connell.....	I.....	Salem Normal School....	Jan. 1925
Marion C. Smith.....	I.....	Salem Normal School....	Sept. 1922
Carolyn E. MacDonald ..	Special Class.....	Salem Normal School* (Special Courses).....	Jan. 1909
Helen E. Bradley.....	I.....	Bridgewater Normal School.....	Sept. 1920
Madeline R. Sullivan....	Open Air.....	Lowell Normal School...	Sept. 1929
Evelyn E. Kenney.....	Open Air.....	Castine, Me., Normal School.....	Nov. 1886
Henriette E. deRoche- mont	Open Air.....	Portsmouth, N. H., Nor- mal School.....	Sept. 1894
Catherine M. Connell...	Special Class.....	Lowell Normal School...	Nov. 1918
RUSSELL SCHOOL			
John H. Graham.....	Master.....	Bridgewater Normal School (Special Courses)	June 1913
Michael J. Brennan.....	Submaster.....	Boston College, A.B., M.E.	Jan. 1924

* Attended the Wellington Training School.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
RUSSELL SCHOOL—Con.			
Mary S. Bingham.....	Master's Assistant....	Salem Normal School (Special Courses).....	Sept. 1904
Sara S. Coyne.....	VIII.....	Salem Normal School* (Special Courses).....	Feb. 1912
Margaret F. O'Keefe....	VII.....	Salem Normal School*....	Sept. 1900
Margaret M. Carroll....	VII.....	Salem Normal School*....	Sept. 1911
Ida J. Mahoney.....	VII.....	Framingham Normal School*.....	Apr. 1903
Mary E. Hayes.....	VI.....	Lowell Normal School...	Dec. 1927
Josephine F. Rowe.....	VI.....	Salem Normal School*..	Mar. 1909
Mildred F. Moher.....	VI.....	Lowell Normal School (Course in Americaniza- tion).....	June 1930
Lillian A. Barry.....	V.....	Fitchburg Normal School (Special Courses).....	Sept. 1922
Florence R. Casey.....	V.....	Lowell Normal School...	Apr. 1922
Mary F. Good.....	V.....	Lowell Normal School...	Dec. 1924
Isabel A. Herlihy.....	IV.....	Lowell Normal School (Special Courses).....	Apr. 1922
Ruth H. Lusk.....	IV.....	Lowell Normal School...	Jan. 1924
Madeline M. Sharkey...	IV.....	Lowell Normal School...	Apr. 1923
Alice V. Connelly.....	III.....	Salem Normal School (Special Courses).....	Sept. 1908
Edna M. Curtis.....	III.....	Lowell Normal School...	Apr. 1922
Doris Tracy.....	III.....	Westfield Normal School	Sept. 1929
Evelyn F. Leddy.....	II.....	Salem Normal School....	Dec. 1918
Anne J. Wetmore.....	II.....	Salem Normal School (Special Courses).....	Sept. 1922
Elizabeth H. Moran....	II.....	Lowell Normal School (Course in Americaniza- tion).....	June 1930
Carrie J. Allison.....	I.....	Cambridge High School* (Special Courses).....	Sept. 1896
Irene A. Hurley.....	I.....	Lowell Normal School...	June 1930
Alice Ford Sullivan....	I.....	Kindergarten Training School*.....	Jan. 1915
Dorothy Wadden.....	I.....	Bridgewater Normal School.....	Jan. 1925
Anastasia E. Donovan..	Special Class.....	Salem Normal School (Special Courses).....	Sept. 1919
SLEEPER SCHOOL			
Elizabeth G. Nelligan...	Principal.....	Cambridge English High* School (Special Courses)	Dec. 1899
Alice G. Dacey.....	V.....	Salem Normal School* (Special Courses).....	Jan. 1909
Cora B. Poole.....	IV.....	Salem Normal School*....	Feb. 1906
Evelyn M. Dormer.....	III.....	Salem Normal School*....	Dec. 1897
Mary A. O'Callaghan...	III-II.....	Salem Normal School*....	Sept. 1913

* Attended the Wellington Training School.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
SLEEPER SCHOOL — Con.			
Catherine M. Herlihy....	II.....	Cambridge High School (Special Courses).....	Sept. 1913
Mary A. Brennan.....	I.....	Framingham Normal School.....	Dec. 1916
Mary R. Harrington	I.....	Salem Normal School*...	Oct. 1910
TAYLOR SCHOOL			
Julia M. McHugh	Acting Principal	Salem Normal School....	Oct. 1894
Lillian F. McKeever	III.....	Salem Normal School (Course in Americanization).....	June 1930
Ethel I. Tansey.....	III.....	Salem Normal School....	Jan. 1924
Julia G. McHugh.....	II.....	Salem Normal School*...	Oct. 1894
Helen K. Cotter.....	II.....	Lowell Normal School (Course in Americanization).....	June 1930
Marguerite F. Doherty..	I.....	Lowell Normal School* ..	Sept. 1913
Katharine A. Hegarty...	I.....	Coburn, Me., Classical Institute, B.L. (Special Courses).....	Sept. 1896
Agnes M. Harrington ...	I.....	Salem Normal School (Special Courses)	Oct. 1919
† Mary A. O'Toole.....	Ungraded Class.....	Lowell Normal School (Special Courses)	Dec. 1912
THORNDIKE SCHOOL			
Francis J. O'Hara	Master.....	Boston College, A.B., A.M., Boston Normal School, Harvard M.Ed.	Sept. 1912
Honora F. O'Brien.....	Master's Assistant ...	Gloucester High School (Special Courses).....	Sept. 1909
Eva M. Bousquet.....	VIII.....	Salem Normal School*...	Sept. 1909
Minnie A. Doran.....	VII.....	Salem Normal School (Special Courses).....	Sept. 1895
Teresa M. Sullivan	VI.....	Lowell Normal School ... (Special Courses)	Sept. 1920
Marjorie W. Todd.....	VI.....	Worcester Normal School (Special Courses).....	Nov. 1924
Gertrude R. O'Hara	V.....	Salem Normal School*... (Special Courses)	Oct. 1910
Margaret M. Cawley....	V.....	Lowell Normal School ...	Dec. 1927
Florence A. Hickey	V.....	Salem Normal School*...	Sept. 1912
Avis Clarke.....	V.....	Salem Normal School....	Sept. 1929
Louise J. Butcher.....	IV.....	Lowell Normal School ...	Oct. 1920
Caroline B. Butler.....	IV.....	Lowell Normal School (Special Courses).....	Nov. 1918
Katharine M. Ahern	IV.....	Bridgewater Normal School.....	Sept. 1922

* Attended the Wellington Training School.

† Taught previous to this and reappointed

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
THORNDIKE SCHOOL — Con.			
Alice G. Nolan.....	III.....	Salem Normal School (Special Courses).....	Nov. 1918
Anna N. Sullivan.....	II.....	Boston Normal School*..	Mar. 1901
Gertrude A. Murphy....	II.....	Salem Normal School (Special Courses*).....	Sept. 1912
Elizabeth B. Gahm	I.....	Cambridge Training School.....	Sept. 1882
Alice W. Gaughan.....	I.....	Salem Normal School....	Mar. 1911
Kathleen A. O'Brien....	I.....	Lowell Normal School ...	Jan. 1924
Luella M. Marsh.....	Open Air.....	Cambridge Training School.....	Feb 1884
Margaret J. McCann....	Open Air.....	Lowell Normal School ... (Special Courses)	Jan. 1920
Charlotte M. Cairnes ...	Special Class.....	Salem Normal School*...	Nov. 1915
WEBSTER SCHOOL			
John F. Lynch.....	Master.....	Boston Normal School, Tufts College, A.B. (Spe- cial Courses).....	Feb. 1922
John F. Toomey.....	Submaster.....	Boston College, A.B. (Special Courses).....	Sept. 1923
M. Estelle Ramsdell	Master's Assistant ...	Farmington, Me., Normal School, Portia Law School, LL.B. (Special Courses).....	Apr. 1920
Ellen C. Connell.....	VIII.....	Boston Normal School*..	Feb. 1916
Neva L. Hanson.....	VII.....	Calais, Me., High School (Special Courses).....	Feb. 1919
Mary T. Laffin.....	VII.....	Gorham, Me., Normal School (Special Courses)	Dec. 1918
Mabel T. Ashley.....	VII.....	Framingham Normal School (Special Courses).	Sept. 1896
Mary F. Fahey.....	VII.....	Gorham, Me., Normal School.....	Nov. 1917
Alice M. Groden.....	VI.....	Bridgewater Normal School.....	Jan. 1924
Matilda V. Hall.....	VI.....	Salem Normal School (Special Courses).....	Sept. 1925
Edith K. Reddy.....	VI.....	Radcliffe, A.B.; Boston Normal School (Special Courses).....	Dec. 1926
Magdalene M. Stumpf...	VI.....	Framingham Normal School.....	Jan. 1920
Anna Grant.....	VI.....	Lowell Normal School (Special Courses)	Sept. 1929
Emma M. Goodwin.....	V.....	Farmington, Me., Normal School.....	Feb. 1910

* Attended the Wellington Training School.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
WEBSTER SCHOOL — Con.			
Minnie V. Reid.....	V.....	Boston Normal School*..	Sept. 1888
†Marcia R. Bowman....	V.....	Framingham Normal School.....	Dec. 1927
M. Lucille Schoonover ..	V.....	Salem Normal School ...	Sept. 1929
Harriet V. Cunningham..	IV.....	Salem Normal School*...	Nov. 1918
Gertrude I. Johnson.....	IV.....	Worcester Normal School	Sept. 1901
Ethel L. Stratton.....	IV.....	Watertown High School (Special Courses).....	Sept. 1920
Bertha M. Anderson....	IV.....	Salem Normal School (Special Courses).....	Sept. 1925
Margaret J. Penney.....	Special Teacher.....	Cambridge Training School.....	Apr. 1882
Esther Goverman.....	Special Teacher.....	Salem Normal School (Course in Americanization).....	June 1930
M. Lorette Wetmore....	Special Teacher.....	Salem Normal School (Special Courses)	June 1930
WELLINGTON SCHOOL			
Harold B. Blazo.....	Master.....	Harvard University, A.B. (Special Courses).....	Sept. 1910
Albert J. Brooks.....	Submaster.....	Keene, N. H., Normal School (Special Courses)	Sept. 1923
Mary I. Vinton.....	Supervisor.....	Salem Normal School (Special Courses).....	Mar. 1881
Carrie H. Stevens.....	Master's Assistant...	Farmington, Me., Normal School (Special Courses)	Nov. 1894
Grace F. Chamberlain...	VIII.....	Framingham Normal School (Special Courses)	Apr. 1903
Mary F. Donegan.....	VII.....	Salem Normal School (Special Courses).....	Sept. 1926
Mildred F. Reinhalter...	VII.....	Bridgewater Normal School* (Special Courses)	Apr. 1914
Helen L. McLaughlin ...	VI.....	Lowell Normal School (Course in Americanization).....	June 1930
Leona C. Lynch.....	VI.....	Salem Normal School (Special Courses).....	Dec. 1926
Marion I. Wood.....	VI.....	Salem Normal School* (Special Courses).....	Sept. 1916
Helen M. Burns.....	V.....	Lowell Normal School...	Jan. 1925
Mary E. Sullivan.....	V.....	Salem Normal School* (Special Courses).....	Feb. 1920
Marion E. McNamara ..	V.....	Lowell Normal School (Special Courses)	Sept. 1929
Mary A. Rowe.....	IV.....	Lowell Normal School, Lesley Normal School...	April 1928
Caroline M. Shaw	IV.....	Salem Normal School (Special Courses)	Dec. 1926

* Attended the Wellington Training School.

† Resigned and was reappointed.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
WELLINGTON SCHOOL — Con.			
M. Gertrude Shea.....	IV.....	Framingham Normal School.....	Sept. 1920
Margaret L. Shaughnessy	III.....	Lowell Normal School....	Jan. 1924
Ruth F. Igo.....	III.....	Salem Normal School*....	Sept. 1916
A. Mabel Harrington....	II.....	Salem Normal School*....	Sept. 1916
Edna B. Cairnes.....	II.....	Salem Normal School....	Sept. 1922
Catherine M. Riley.....	I.....	Salem Normal School....	Dec. 1927
M. Alma Laffey.....	I.....	Salem Normal School*....	Nov. 1917
Evelyn L. Phetteplace...	I.....	Lowell Normal School....	Apr. 1922
M. Agnes Tierney.....	Special Class.....	Framingham Normal School (Special Courses)	Nov. 1918
†Addie H. Tuttle.....	Foreign Class.....	Salem Normal School*....	Apr. 1922
Margaret F. Walsh.....	Foreign Class.....	Prince of Wales College (Special Courses).....	Jan. 1924
Esther M. Hanley.....	Open Air Class	Salem Normal School (Special Courses).....	Nov. 1918
M. Grace Cronin.....	Open Air Class	Fitchburg Normal School (Special Courses)	Feb. 1917
Ida Silverman.....	Special Teacher.....	Salem Normal School (Course in Americanization).....	June 1930
WILLARD SCHOOL			
Katharine E. Hayes.....	Principal.....	Framingham Normal School (Special Courses)	Sept. 1902
Gertrude T. Sullivan....	III.....	Salem Normal School* (Special Courses).....	Dec. 1902
Gertrude B. Maguire....	III.....	Salem Normal School (Special Courses)	Nov. 1918
Rita B. Moher.....	III.....	Lowell Normal School (Special Courses)	Sept. 1929
Lucy F. Cline.....	II.....	Kindergarten Training School*.....	Oct. 1910
M. Louise Kane.....	II.....	Kindergarten Training School (Special Courses)	Sept. 1914
Agalena Aldrich.....	II.....	Cushing Academy, Wellesley College (2 yrs.)...	Sept. 1901
Elizabeth M. Crowley...	II.....	Salem Normal School*....	Dec. 1901
Caroline A. Sullivan.....	I.....	Kindergarten Training School*.....	Nov. 1912
Alice G. Lynch.....	I.....	Lowell Normal School (Special Courses).....	Nov. 1918
Mary R. O'Keefe.....	I.....	Salem Normal School (Special Courses).....	Nov. 1918
Helen R. Morris.....	I.....	Lowell Normal School (Special Courses).....	Jan. 1923
Mary E. Leahy.....	Special Teacher.....	Lowell Normal School (Special Courses)	June 1930

* Attended the Wellington Training School.

† Resigned and was reappointed.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
WYMAN OPEN AIR			
Agnes J. McElroy.....	Principal.....	Salem Normal School*...	Dec. 1891
Catherine E. Myler.....	Teacher.....	Lowell Normal School (Special Courses).....	Sept. 1921
Ellen T. O'Keefe	Teacher.....	Boston Normal School * (Special Courses).....	Sept. 1903
Margaret F. Martin.....	Teacher.....	Kindergarten Training School (Special Courses)	Dec. 1926
Mary E. Regan.....	Teacher.....	Salem Normal School*...	Oct. 1899
Katherine G. Lynch	Teacher.....	Lowell Normal School ...	Dec. 1927
CONTINUATION SCHOOLS			
James Dugan.....	Director.....	Amherst College, A.B....	Jan. 1910
Mary A. Boland.....	Principal.....	Salem Normal School (Special Courses)*	Jan. 1898
<i>Boys' School</i>			
Albert J. Leonard.....	First Assistant Academic.....	Boston College, Boston College School of Edu- cation (Special Couses)	Nov. 1929
Thomas F. Woods.....	Printing — Shop.....	Mechanics Arts High School.....	Sept. 1920
Thomas H. Egan	Woodworking	Lowell Vocational Trainin g School (Special Courses)	Feb. 1930
<i>Girls' School</i>			
Elizabeth F. Butler.....	Foods — Academic...	Lowell Normal School*, Boston University, B.S. in Ed.....	Sept. 1916
Stella M. Davis.....	Clothes — Academic..	Plymouth, N.H., Normal School, Portia Law School, LL.B.....	May 1917
Mildred M. Ready.....	Foods — Shop.....	Mt. St. Joseph Academy	Sept. 1920
Ellen P. Tracy.....	Clothes — Shop.....	Roxbury High School (Special Courses).....	Sept. 1920
KINDERGARTENS			
<i>Agassiz</i>			
Mabel O. Phelps.....	Kindergartner.....	Kindergarten Training School.....	Dec. 1920
Elizabeth Putnam	Asst. Kindergartner ..	Kindergarten Training School (Special Courses)	June 1930
<i>Fletcher</i>			
Mary F. McAllister.....	Kindergartner	Kindergarten Training School.....	Sept. 1925
Alice Lewis.....	Asst. Kindergartner ..	Kindergarten Training School.....	June 1930
<i>Gannett</i>			
Mary C. Tracy.....	Kindergartner.....	Kindergarten Training School (Special Courses)	Oct. 1919
Margaret A. Phetteplace.	Asst. Kindergartner..	Kindergarten Training School.....	Dec. 1928

* Attended the Wellington Training School.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
KINDERGARTENS — Con.			
<i>Haggerty</i> Helen F. Dogherty.....	Kindergartner.....	Kindergarten Training School.....	Sept. 1911
<i>Houghton</i> Julia M. Sullivan.....	<i>A.M.</i> Kindergartner.....	Kindergarten Training School.....	April 1919
Mary M. Cotter.....	Asst. Kindergartner..	Kindergarten Training School.....	Dec. 1926
<i>Houghton</i> Edna L. Collins.....	<i>P.M.</i> Kindergartner.....	Kindergarten Training School.....	Sept. 1925
Alma E. Johnston.....	Asst. Kindergartner...	Kindergarten Training School (Special Courses)	Oct. 1928
<i>Lowell</i> Mariam P. Nelson.....	Kindergartner.....	Kindergarten Training School (Special Courses)	April 1922
Mary L. Welch.....	Asst. Kindergartner...	Kindergarten Training School.....	Oct. 1928
<i>Merrill</i> Caroline A. Leighton....	Kindergartner.....	Kindergarten Training School (Special Courses)	Sept. 1896
Ellen Leonard.....	Asst. Kindergartner...	Kindergarten Training School.....	Sept. 1925
<i>Morse</i> Mary S. Dempsey.....	Kindergartner.....	Kindergarten Training School.....	Sept. 1912
<i>Peabody</i> Irene L. Phelps.....	Kindergartner.....	Kindergarten Training School*(Special Courses)	April 1904
Ruth D. Cobb.....	Asst. Kindergartner...	Kindergarten Training School (Special Courses)	Sept. 1916
Helene R. Manning.....	Asst. Kindergartner...	Kindergarten Training School.....	Dec. 1926
<i>Putnam</i> Julia P. Good.....	Kindergartner.....	Kindergarten Training School.....	Sept. 1922
Ruth M. Austin.....	Asst. Kindergartner...	Kindergarten Training School (Special Courses)	Oct. 1928
<i>Roberts</i> Annie L. Crane.....	<i>A.M.</i> Kindergartner.....	Kindergarten Training School.....	Dec. 1904
Esther Edelstein.....	Asst. Kindergartner...	Kindergarten Training School.....	Dec. 1928
<i>Roberts</i> Mary H. Macbeth.....	<i>P.M.</i> Kindergartner.....	Kindergarten Training School.....	Sept. 1925
Ruth F. Boland.....	Asst. Kindergartner...	Kindergarten Training School.....	Dec. 1926

* Attended the Wellington Training School.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
KINDERGARTENS — Con.			
<i>Russell</i>			
Beatrice Kelley.....	Kindergartner.....	Kindergarten Training School.....	Sept. 1913
Katharine E. Leahy.....	Asst. Kindergartner...	Kindergarten Training School.....	Dec. 1926
<i>Shaw</i>			
Jane S. Feeny.....	Kindergartner.....	Kindergarten Training School.....	Feb. 1916
Gretchen K. Hager.....	Asst. Kindergartner...	Kindergarten Training School.....	Sept. 1925
<i>Sleeper</i>			
Mabel S. Adams.....	Kindergartner.....	Kindergarten Training School.....	Oct. 1893
Julienne E. O'Connell....	Asst. Kindergartner...	Kindergarten Training School (Special Courses)	Oct. 1928
<i>Thorndike</i>			
Frances E. Fitzgerald ...	Kindergartner.....	Kindergarten Training School.....	Nov. 1915
Mary F. McAllister.....	Asst. Kindergartner ..	Kindergarten Training School	Sept. 1925
<i>Webster</i>			
Jennie S. Clough	Kindergartner.....	Kindergarten Training School.....	Sept. 1897
Bertha A. Donoghue....	Asst. Kindergartner...	Kindergarten Training School (Special Courses)	Oct. 1928
<i>Wellington</i>			
Anna Dell Francis.....	Kindergartner.....	Kindergarten Training School.....	Jan. 1906
Helen M. Whoriskey....	Asst. Kindergartner ..	Kindergarten Training School (Special Courses)	Dec. 1926
<i>Willard</i>			
Mary A. McMahon.....	Kindergartner.....	Kindergarten Training School.....	Oct. 1911
SPECIAL SUBJECTS			
<i>Art Education</i>			
Alfred F. Burke.....	Director.....	Massachusetts Normal Art School.....	Sept. 1921
Harriet M. Simpson.....	Assistant.....	Massachusetts Normal Art School.....	Sept. 1921
<i>Music</i>			
John B. Whoriskey	Director.....	(Special Courses in Vocal and Instrumental Music)	Feb. 1911
Mary F. Ahern.....	Assistant.....	Boston University Certificate (Special Courses).....	May 1919
Josephine C. Wyman....	Assistant.....	Farmington, Me., Normal School.....	Apr. 1903

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
SPECIAL SUBJECTS — Con.			
<i>Physical Education and Athletic Activities</i>			
Joseph J. Smith.....	Director.....	Posse Normal School Cornell University Summer School (Special Courses).....	Sept. 1921
Mildred Grant.....	Assistant.....	Sargent School of Physical Education.....	Sept. 1919
Humphrey E. O'Leary ..	Assistant.....	Clark's Business School Harvard University Summer School (Special Courses).....	Nov. 1923
Joseph A. Kozlowsky ...	Assistant.....	Boston College, A.B. (Special Courses)	Sept. 1929
Anna Culhane.....	Teacher.....	Sargent School of Physical Education.....	Dec. 1926
Gertrude M. Cunningham	Teacher.....	Sargent School of Physical Education.....	Dec. 1926
Marjorie A. Danehy.....	Teacher.....	New Haven Normal School.....	Oct. 1928
Marguerite George.....	Teacher.....	Sargent School of Physical Education.....	Dec. 1926
Mary J. Sharkey.....	Teacher.....	Sargent School of Physical Education.....	Sept. 1924
Frances J. Toole.....	Teacher.....	Sargent School of Physical Education.....	Sept. 1925
Alice A. Ward.....	Teacher.....	Sargent School of Physical Education (Special Courses).....	Sept. 1925
<i>Americanization</i>			
Rose M. O'Toole Rondeau	Director.....	Fitchburg Normal School (Post-Graduate Course, 2 years).....	Sept. 1921
<i>Manual Training and Pre-Vocational Classes</i>			
Catherine L. Dolan.....	Ellis.....	Salem Normal School* (Special Courses).....	Nov. 1898
John A. Warnock.....	Ellis.....	Common Schools (Special Courses).....	Sept. 1928
Francis V. Casey.....	Houghton.....	Boston College, A.B. (Special Courses)	Sept. 1929
Edward F. McAuliffe ...	Houghton.....	Rindge Technical School	Dec. 1919
Francis B. Whouley.....	Houghton.....	Fitchburg Normal School, Bryant & Stratton Business College	Nov. 1928
Robert V. Meyer.....	Peabody.....	Lowell Institute (Special Courses).....	Sept. 1921

* Attended the Wellington Training School.

† On leave of absence.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
SPECIAL SUBJECTS — Con.			
Jerome S. Higgins	Putnam	Bridgewater Normal School, B.S.E. (Special Courses)	Sept. 1929
Walter P. Worden	Putnam	Common Schools, Practical Experience	Apr. 1924
Mary E. Quirk	Roberts	Salem Normal School (Special Courses)	Feb. 1910
Murray K. Worden	Roberts	Common Schools	Sept. 1921
William B. O'Connor	Russell	Practical Experience	Dec. 1927
Gertrude B. Duffy	Webster	Salem Normal School,* Boston University, B.S. in Ed. (Special Courses)	Apr. 1902
Nora P. Nason	Webster	Gorham, Me., Normal School	Dec. 1906
John E. Howard	Webster	Sloyd Training School ...	Sept. 1911
John D. Creedon	Wellington	Training School for Teachers of Mechanic Arts High School	Sept. 1926
<i>Cooking</i>			
Gertrude P. Dakin	Teacher	Lesley Normal School, Boston School of Cookery	Sept. 1925
<i>Classes for Stammerers</i>			
Sallie A. Brooks*	Teacher	Kindergarten Training School (Special Courses)	Sept. 1913
<i>Children's Museum</i>			
Ruth D. Crawford	Director	Lowell Normal School ...	Dec. 1918
Ellen T. Fitzgerald	Assistant	Bridgewater Normal School*	Sept. 1916
<i>Vision Class</i>			
Julia M. Horgan	Teacher	Salem Normal School* (Special Courses)	Sept. 1908
Charlotte M. Walsh	Teacher	Emmanuel College, A.B. (Special Courses)	Sept. 1929
<i>Lip Reading Classes</i>			
Marion S. Clark	Teacher	Boston University, A.B., Harvard College, M.Ed. Miller-Walle Training School for Teachers of Lip Reading	June 1923
<i>Opportunity Class</i>			
J. Madelene Winslow	Teacher	Massachusetts College of Osteopathy (Special Courses)	Jan. 1925
Julia A. O'Laughlin	Teacher	(Special Courses in Dress- making and Artercraft) ...	Sept. 1922
Anna R. Crane	Teacher	Emmanuel College, A.B. (Special Courses)	June 1930

* Attended the Wellington Training School.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	[Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
SPECIAL SUBJECTS — Con. Sewing Classes			
Anna F. Casey.....	Teacher.....	St. Mary's High School..	May 1925
Anna C. Coleman.....	Teacher.....	(Private School for Girls)	Sept. 1913
Catherine Corcoran.....	Teacher.....	Bryant & Stratton Com- mercial School, Hersum	
		School of Color and De- sign (Special Courses)...	Dec. 1927
Maude E. Delorme.....	Teacher.....	(Private Tutor, Special Courses).....	Oct. 1910
Louise A. Downey.....	Teacher.....	Bon Ton School of Design (Special Courses).....	April 1926
Beatrice F. Kelley.....	Teacher.....	Practical Experience.....	April 1926
Mary J. Smith.....	Teacher.....	(Special Courses).....	Nov. 1912
Nettie L. White.....	Teacher.....	(Special Courses).....	Sept. 1915

Superintendent of Schools.....	MICHAEL E. FITZGERALD
Assistant Superintendent.....	} JAMES DUGAN
Director of Continuation School.....	
Supervisor of Primary Schools.....	KATHARINE L. McELROY
Supervisor of Kindergartens.....	ALICE V. McINTIRE
Secretary to the Superintendent.....	WILLIAM F. DONOVAN
Business Agent.....	CONSTANTINE J. CHURCH
Assistant to the Business Agent.....	GERALD T. LISTON
Secretary to the School Committee.....	HELEN R. BROSDAHAN
Stenographer at the High and Latin School.....	AGNES M. WADDEN
Secretary at the Highland Latin School.....	MARIE E. WALSH
Stenographer at Rindge Technical School.....	MARION L. PIKE
Clerks.....	MARY CASSIDY
	GRACE M. CULHAN
	KATHARINE A. DUFFY
	AGNES V. KIELEY
	ELIZABETH G. FAULKNER
	BEATRICE A. NUGENT
	MARGARET F. O'NEILL

TABULAR VIEW — Concluded

<i>Telephone Operator</i>	CECILIA M. O'CONNOR
<i>Porter</i>	JOHN H. LEMON
<i>Attendance Officers</i>	WILLIAM J. COGAN
	DENNIS F. HURLEY
	JOHN T. KEANE
	JEREMIAH F. McDERMOTT
	JAMES H. SHUCKROWE
	JOHN J. SULLIVAN
	EDWARD F. WALSH
	JOSEPH W. WALSH
<i>Director of Safety</i>	PATRICK F. SHEA

TEACHERS AND OFFICIALS PENSIONED BY THE CITY

Teacher, High School	Emma A. Scudder
Master, Elementary School	John D. Billings
Teacher, Elementary School	Mary P. Blair
Teacher, Elementary School	Ellen A. Cheney
Teacher, Elementary School	Josephine M. Doherty
Teacher, Elementary School	M. Elizabeth Evans
Teacher, Elementary School	Charlotte A. Ewell
Teacher, Elementary School	Sarah J. Gunnison
Teacher, Elementary School	Eliza Hussey
Teacher, Elementary School	Annie B. Josselyn
Teacher, Elementary School	Evelyn J. Locke
Teacher, Elementary School	Eliza S. Paddock
Teacher, Elementary School	Anastasia R. Peters
Teacher, Elementary School	Mary A. Stephenson
Attendance Officer	Lucian S. Cabot
Attendance Officer	William H. Porter

TEACHERS AND OFFICIALS PENSIONED FROM THE
STATE RETIREMENT FUND

Assistant Director of Art Education.....	Lucia N. Jennison
High School.....	Edith T. Bates
High School.....	Grace L. Deering
High School.....	Myra I. Ellis
High School.....	Alice D. Chamberlain
High School.....	Lillian C. Rogers
High School.....	Caroline A. Sawyer
High School.....	Martha R. Smith
Elementary School.....	Frances Allen
Elementary School.....	Herbert H. Bates
Elementary School.....	Anna F. Bellows
Elementary School.....	Mabel M. Blake
Elementary School.....	Fannie P. Browning
Elementary School.....	Charlotte M. Chase
Elementary School.....	Maude A. Deehan
Elementary School.....	Emma A. Faulkner
Elementary School.....	Grace W. Fletcher
Elementary School.....	Genevieve S. Flint
Elementary School.....	Melinda Gates
Elementary School.....	Ella F. Gulliver
Elementary School.....	Louise W. Harris
Elementary School.....	Frances E. Higgins
Elementary School.....	Ellen J. Hunt
Elementary School.....	Mary A. Knowles
Elementary School.....	Mary F. Leland
Elementary School.....	Mary L. Lincoln
Elementary School.....	Eusebia A. Minard
Elementary School.....	Louise C. Patterson
Elementary School.....	Alice C. Phinney
Elementary School.....	Ellen J. Plympton
Elementary School.....	Mary A. Rady
Elementary School.....	Harriette E. Ryan
Elementary School.....	Hattie A. Thayer
Elementary School.....	Elizabeth A. Tower
Elementary School.....	Mary E. Towle
Elementary School.....	Harriett Townsend
Elementary School.....	Mary A. Townsend
Elementary School.....	Mary E. Warren
Elementary School.....	Eliza D. Watson
Elementary School.....	Arthur C. Wadsworth
Elementary School.....	Laura S. Westcott
Elementary School.....	Susan C. Wyeth

SALARY SCHEDULE

Cambridge High and Latin and Rindge Technical Schools

	Minimum	Increase per year	Number of Years	Maximum
Headmasters	\$4,100	\$200	3	\$4,700
Assistant Headmasters	3,650	150	3	4,100
Masters	2,850	150	6	3,750
Teachers (men)	1,850	150	7	2,900
Teachers (women)	1,534	120	6	2,254
*Deans . . . . .	.....	...	...	.....
†Headmasters' Assistants . . . . .	.....	...	...	.....
‡Masters' Assistants . . . . .	.....	...	...	.....
Permanent Substitutes (men)	1,536	...	...	.....
Permanent Substitutes (women)	1,248	.....	...	.....

Elementary Schools

Masters	\$2,950	\$150	6	\$3,850
Submasters	1,800	100	7	2,500
Masters' Assistant	1,908	100	2	2,108
Teachers, 8th Grade	1,338	100	6	1,938
Teachers	1,278	96	6	1,854
Principals, 9 rooms	2,176	120	2	2,416
Principals, 8 rooms or less	2,052	100	2	2,252

Kindergartens

Teachers	\$1,226	\$84	6	\$1,730
Assistant Teachers	1,190	84	5	1,610

Music and Art

Director	\$2,950	\$150	6	\$3,850
Assistants	1,800	100	6	2,400

Sewing

Teachers High	\$1,410	\$120	6	\$2,230
Teachers Elementary	1,262	96	6	1,838

*Deans are paid \$360 in addition to their regular teachers' salary.

†Headmasters' Assistants are paid \$360 in addition to their regular teachers' salary.

‡Masters' Assistants are paid \$200 in addition to their regular teachers' salary.

SALARY SCHEDULE — Concluded

Physical Education

	Minimum	Increase per Year	Number of Years	Maximum
Director.....	\$2,950	\$150	6	\$3,850
Assistant Director (men).....	2,252	150	6	3,152
Assistant Director (women).....	1,800	100	6	2,400
Teachers.....	1,362	96	6	1,938

Cooking

Teachers.....	\$1,274	\$96	6	\$1,850
---------------	---------	------	---	---------

Prevocational

Teachers (women).....	\$1,446	\$100	6	\$2,046
Teachers (men).....	1,600	150	5	2,350

Special Classes

Principal (Open Air).....	\$2,000	\$100	3	\$2,300
Teachers	1,394	100	6	1,994

Continuation School

Principal.....	\$2,780	\$120	6	\$3,500
Teachers (men).....	1,600	150	5	2,350
Teachers (women).....	1,450	100	6	2,050

Attendance Officers

Each.....	\$1,400	\$150	6	\$2,300
-----------	---------	-------	---	---------

NOTE. — Teachers entering the service of the Cambridge Public Schools for the first time, with outside experience, shall be given credit on the salary schedule by the following rule:

Three years of experience outside of the city will be considered as equivalent to one year of experience in the city, but in no case shall a teacher be credited with more than five years of experience.

EVENING SCHOOLS

Evening High School

Per Evening

<i>Masters:</i> Minimum.....	\$6 00
Maximum.....	7 00
<i>Teachers:</i> Minimum.....	3 00
To teachers during the first year of service in evening schools.	
Maximum.....	4 00
To teachers of five or more years' experience in day schools; to teachers of less than five years' experience in day schools after one year of service in evening schools, and to teachers without day school experience after two years of service in evening schools.	
<i>Secretary</i>	3 00
<i>Clerk</i>	2 00

Rindge Evening Industrial School

<i>Master:</i> Minimum.....	6 00
Maximum.....	7 00
<i>Teachers:</i> Minimum.....	3 50
Maximum.....	4 50
<i>Secretary</i>	3 00

Elementary Schools

<i>Principals</i>	5 00
<i>Teachers:</i> Minimum.....	2 50
To teachers during the first year of service in evening schools.	
Maximum.....	3 00
To teachers of five or more years' experience in day schools; to teachers of less than five years' experience in day schools after one year of service in evening schools, and to teachers without day school experience after two years of service in evening schools.	
<i>Clerks</i>	2 00

Evening Trade School

<i>Principal:</i> Minimum.....	5 00
Maximum.....	6 00
<i>Teachers:</i> Minimum.....	3 00
Maximum.....	4 00
<i>Secretary</i>	3 00

OFFICERS OF THE BOARD

JANUARY 1, 1929

Superintendent of Schools

MICHAEL E. FITZGERALD 30 Bellevue Avenue

Assistant Superintendent and Director of Continuation Schools

JAMES DUGAN 32 Blake Street

Supervisor of Primary Schools

KATHARINE L. McELROY 31 Gray Street

Supervisor of Kindergartens

ALICE V. McINTIRE 3 Linnæan Street

Agent of the School Committee

CONSTANTINE J. CHURCH 87 Fayerweather Street

Secretary of School Committee

HELEN R. BROSNAHAN 28 Dover Street

OFFICES AT CITY HALL

Offices open from 8 o'clock A.M. to 4 o'clock P.M. every day excepting Saturday. Saturday from 8 o'clock A.M. to 12 o'clock M.

SCHOOL CALENDAR

1929-1930

The first term — From September 11 to December 20.

The second term — From January 2 to February 21.

The third term — From March 3 to April 25.

The fourth term — From May 5 to June 24.

1930-1931

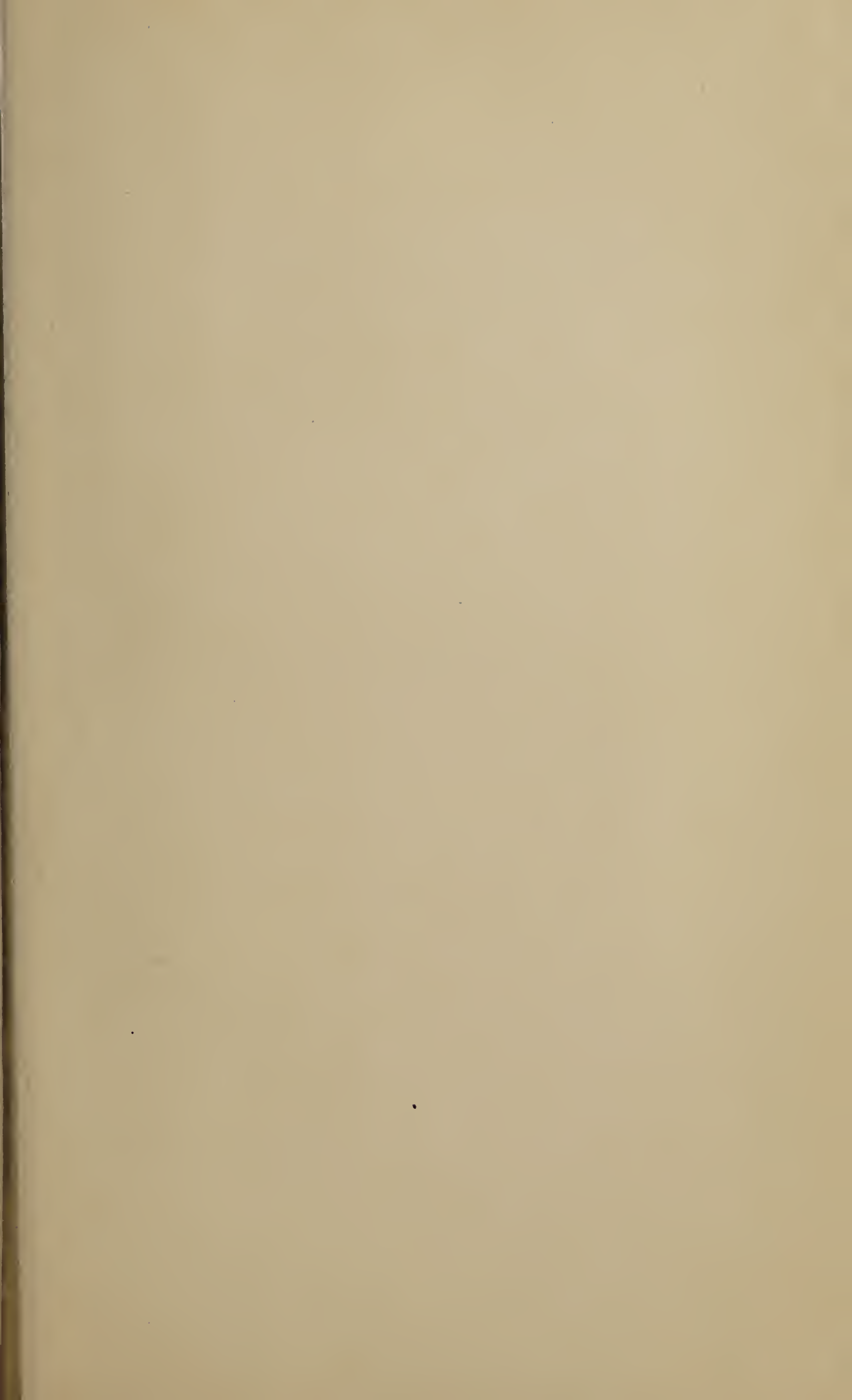
The first term — From September 10 to December 23.

SCHOOL HOLIDAYS

Columbus Day; Armistice Day; Thanksgiving Day, the day preceding and the day following; Washington's Birthday; Good Friday; Patriots' Day; Memorial Day; and the Seventeenth of June. If one of these holidays falls on Thursday or Sunday, the schools are closed on the day following.

EVENING SCHOOLS

There are two terms of the evening schools. The first term begins on the second Tuesday of October and closes one week previous to the closing of the day schools for the Christmas holidays. The second term begins on the first Tuesday of January, except when the day falls on New Year's Day, in which case it begins on the Monday following New Year's Day, and continues for at least twenty-five evenings. Vacations and holidays are the same as in the day schools.



INDEX

For other reports, see after City Auditor's report

CITY AUDITOR'S REPORT

<i>City Income</i>	<i>Page</i>
Agency Account.....	11
Auditing.....	7
Building Department.....	7
Cemetery Department.....	10
City Clerk's Department.....	14
City Infirmary.....	8
Court Fines.....	6
Election Commission.....	7
Electrical Department.....	7
Fire Department.....	7
Grants and Gifts.....	6
Health Department.....	8
House Offal.....	8
Incinerator.....	8
Insurance Reserve.....	11
Interest.....	10
Libraries.....	9
Licenses and Permits.....	5
Loans.....	10
Municipal Hospital.....	9
Municipal Sinking Funds.....	10
Outside Aid.....	9
Park Department.....	10
Pensions.....	10
Police Department.....	7
Premiums.....	10
Public Baths.....	9
Refunds.....	11
School Department.....	9
Sealer of Weights and Measures.....	8
Sewer Maintenance.....	8
Soldiers' Benefits.....	9
Special Assessments.....	6
Taxes.....	5
Tax Lien.....	6
Treasurer's Department.....	7
Trust Funds.....	11

<i>Payments</i>	<i>Page</i>
Administration of Sinking Funds	13
Assessors	14
Auditing	13
City Clerk	14
City Council Expenses	12
City Messenger	14
Civil Service Labor Registration	16
Clerk of Committees	12
Election Commission	15
Engineering, Assessors' Plans	15
Engineering Department	15
Executive	12
Inspection of Buildings	16
Law Department	15
License Commission	14
Municipal Buildings	16
Treasurer and Collector	13
 <i>Building Construction</i>	
Abraham Lincoln School	54
Henry W. Longfellow School	54
Home for the Aged and Infirm	53
Municipal Hospital	53
New Street Garage	54
Playground Construction	54
Roberts School	54
 <i>Cemeteries</i>	
Maintenance	36
 <i>Charities</i>	
City Home	25
Municipal Hospital	26
Outside Aid	26
Soldiers' Benefits Department	27
 <i>City Debt Requirements</i>	
Interest	40
Municipal Serial Loans	40
Sinking Fund Requirements	41
 <i>Education</i>	
Schools	27
 <i>Health and Sanitation</i>	
Board of Health	20
Dental Clinic	21

	<i>Page</i>
Health Laboratory	21
Inspection of Animals	22
Sewer Construction, General	42
Sewer Maintenance	22
Suppression of Flies and Mosquitoes	22
Tuberculosis Hospital	21
 <i>Highways and Bridges</i>	
Boston and Cambridge	24
City Home Driveway	24
Cottage Farm Bridge	53
Edgestones and Sidewalks	24
Northern Traffic Route	53
Sixth Street Bridge	25
Street Department, Maintenance	23
Street Lighting	25
Street Maintenance, Stable Account	24
Ten-Year Balances	53
Third Street Bridge	53
Albany Street	43
Bent Street	43
Bowdoin Street	43
Brookline Street	44
Cambridge Street	44
Cambridge Street Break	44
Chilton Street	44
Concord Avenue	44
Cottage Street	44
Ellery Street	45
Endicott Street	45
Fayerweather Street	45
Frank Street	45
Garden Street	45
Hampshire Street	46
Harrison Avenue	46
Harvard Square	46
Highland Avenue	46
Lakeview Avenue	47
Madison Avenue	47
Main Street and Broadway Widening	47
Maple Avenue	47
Massachusetts Avenue	48
Mount Auburn Street	48
Narrowing Sidewalk on Massachusetts Avenue	48
Pearl Street	48
Portland Street	48
Prince Street	49

	<i>Page</i>
Prospect Street Widening	53
Putnam Avenue	49
Putnam Square and Massachusetts Avenue	49
Richard Avenue	50
River Street	50
Rockingham Street	50
Sherman Street	50
Sidney Street	51
Upton Street	51
Walker Street	51
Warren Street	51
Western Avenue	52
Whittemore Street	52
Willard Street	52
Williams Street	52
<i>Libraries</i>	
Central Library and Branches	28
<i>Protection of Life and Property</i>	
Electrical Department	18
Fire Department	18
Game Warden	20
Militia, Use of Rifle Range	20
Park Department, Forestry	19
Pole and Conduit Commission	20
Police Department	17
Sealer of Weights and Measures	19
<i>Public Baths</i>	
Fletcher School Baths	30
Haggerty School Baths	30
Roberts School Baths	31
Thorndike Baths, Reconstruction	31
Thorndike School Baths	31
<i>Public Service Enterprises</i>	
Water Department, Filtration	39
Water Department, Maintenance	37
Water Department, Pumping	38
Water Department, Reservoirs	39
<i>Recreation</i>	
Park Maintenance	29
Playgrounds	30
<i>Special Fund and Loan Accounts</i>	
Departmental Equipment	41
Electrical, Traffic	42

<i>Unclassified</i>	<i>Page</i>
Agency.....	55
Annual Documents 1923:.....	36
Balance Sheet.....	67
Board of Appeal.....	36
Borrowing Capacity.....	58
City Funded Debt.....	57
Conditions of Trust Funds.....	62
Damages to Persons and Property.....	31
G. A. R. Headquarters, Post 30.....	35
List of City Property.....	73
Matured Funded City Loans.....	55
Memorial Day.....	35
Municipal Pensions.....	35
Postage and Stationery.....	35
Premium Account.....	56
Refunds.....	55
Refunds to Departmental Appropriation Accounts.....	56
Russell E. Hoyt Headquarters, Post 299.....	35
Smith Hughes Fund.....	55
State County and Metropolitan Taxes.....	55
Sundry Public Celebrations.....	36
Tax Liens.....	56
Telephone Exchange.....	35
Temporary Revenue Loans.....	55
Tremont Trust Company Loss.....	56
Trust Funds.....	55, 62

DEPARTMENTAL REPORTS

For City Auditor's Report, see Page 3

Aldermen, Presidents of.....	459
Animals, Inspector of.....	384
Auditor.....	3
Board of Health.....	323
Board, Water.....	275
Buildings, Superintendent of Public.....	163
Cambridge Tuberculosis Hospital.....	374
Chamber, Diagram of City Council.....	462
Chief of Fire Department.....	132
Chief of Police.....	141
City Auditor.....	3
City Council Chamber, Diagram.....	462
City Council Chamber, Key.....	462
City Elections.....	419
City Government.....	463
City Engineer.....	201
City Hospital Trustees.....	251

	<i>Page</i>
City Physician	242
City Treasurer	84
Commissioners of Sinking Funds	122
Committees of City Council	475
Committee on Finance	129
Committee, School	1
Common Council, Presidents of	460
Departments and Boards	464
Diagram, City Council Chamber	462
Election Commissioners	419
Engineer, City	201
Fire Department	132
Health, Board of	323
Housing and Plumbing Inspector	386
Inspector of Animals	384
Inspector of Food and Provisions	384
Inspector of Milk	381
Key, City Council Chamber	462
Library, Trustees of Public	391
Mayors of Cambridge	458
Measures, Sealers of Weights and	167
Municipal Register	463
Ordinances	437
Park Commissioners	215
Police Department	141
Presidents of Aldermen	459
Presidents of City Council	459
Presidents of Common Council	460
Public Buildings, Superintendent of	163
Public Library Trustees	391
Public Welfare	238
Register, Municipal	463
Report of Board of Appeals	212
Report of City Hospital Trustees	251
Report of Superintendent of Cemetery	272
Sanders Temperance Fund	270
School Committee	1
Sealer of Weights and Measures	167
Sinking Fund Commissioners	122
Streets, Superintendent of	171
Treasurer, City	84
Trustees, Public Library	391
Votes Cast at City Election	419
Water Board	275
Weights and Measures Department	167



